



*The*

# CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

Published 1859

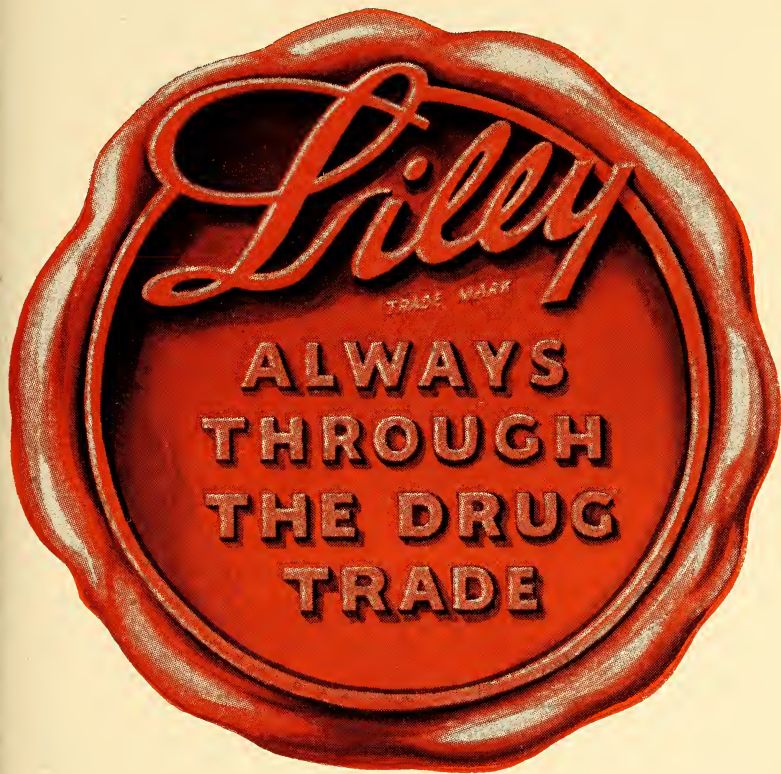
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Registered as a Newspaper

3338  
CXLI

JANUARY 29, 1944

Annual Subscription (with  
Diary) 25/- Single Copies 9d.



For more than sixty years it has been the Lilly Policy to make products of the highest quality—to improve old products and create new ones to meet the changing needs of the medical profession, and to distribute these products only through professional channels.

**ELI LILLY AND COMPANY LIMITED**  
**BASINGSTOKE, HANTS**

“**D**RUGS” IN WARTIME  
“**P**ACKED GOODS”  
“**T**ABLETS”  
“**S**UNDRIES” 1868  
“**B**OTTLES” to  
“**P**ATENTS” 1944

*For over three-quarters of a  
century*

**IN PEACE  
OR AT WAR**

*Ayrton's have always risen  
above the occasion—AS NOW*

34 HANOVER STREET, LIVERPOOL, 1

**AYRTON  
SAUNDERS  
& CO. LTD.**

# UP YOUR STREET

There is a proverb which says—  
What is the use of running unless  
you are on the right road ? ”

All members of the N.P.U. believe  
that in the marketing of pharmaceu-  
tical products the right road runs  
rough and by way of the retail  
chemist.

So do we. It has been the basis  
of this Company's trading policy ever  
since the reconstruction of J. W.  
Simpson (Chemist) Ltd., when the  
present management took control.  
We look upon the retail chemist as an  
indispensable ally and aim to give him  
the support an ally expects.

Retail chemists have already noticed three  
things. First Simpson's are supplying  
therapeutically sound products which  
are well manufactured, live up to the  
claims made for them and meet the  
present-day needs of the public. Sec-  
ondly, Simpson's products are profit-  
able to handle. They carry a really  
generous margin of profit. Thirdly,  
Simpson's products are supported by  
well-conceived and conservative ad-  
vertising.

More than that. Retail chemists are  
conscious of the fact that Simpson's have  
been supporters of the C.F. Scheme  
since its inception. They also have the  
comforting assurance that Simpson's  
are at the back of their purchasing in  
that, if they overbuy, Simpson's will  
readily exchange any end-of-season

surplus for more seasonable goods.

Goodwill cannot be hustled into  
existence. It must grow. Over a long  
period of time it can only be fostered  
by right merchandise, good service  
and honest dealing.

## Trusted Friends

In every part of the country there is  
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whom you know as a trusted friend.  
He has never let you down, and he will  
not do so now. Your man is in this  
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NORTHERN COUNTIES : Mr. T. W.  
Miller.

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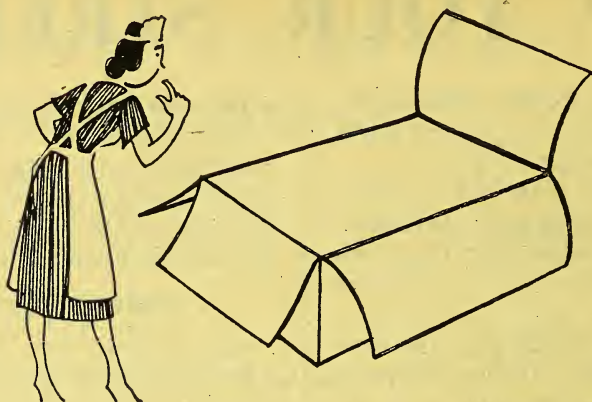
NORTHERN IRELAND : Mr. J. W.  
Martin.

You can deal with these men in the  
knowledge that they represent a firm  
whose declared policy is to give you a  
square deal in all respects.

*Announcement by J. W. Simpson (Chemist) Ltd.  
Iodine House, Museum Street, London, W.C.1*

IODINE IS AS ESSENTIAL TO PERFECT HEALTH AS ALL THE VITAMINS"





## Don't bother to tuck 'em in

It will save your time and trouble — as well as ours — if you DON'T tuck in flaps of collapsible fibre-board cases. You see, they all have to be *un-tucked* before they can be used again. So please simply collapse them flat *with the flaps left sticking out!* Thank you.

Remember, cash paid for all cases at time of collection. No book entries! No credit notes! Vans collect during normal deliveries. C.R.S. vans provide regular additional service every 3-4 weeks.

PLEASE open cases carefully. Don't break wooden lids or *tear* fibre-board flaps.

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*keep them clean*



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## BIG NATIONAL ADVERTISING SCHEME NOW APPEARING

— ORDER STOCK NOW!

### RATIONING AND VITAMIN A

It can be anticipated that the demand for Crookes' Halibut Liver Oil this year will be greater than ever before.

Vitamins A and D are established as essentials to wartime dietary and extensive reminders of their value will be stressed in all advertisements in the National Press.

Owing to packing and other wartime difficulties, it is advisable to order your winter stocks as soon as possible. Our schedule of bonus parcels, as seen from the list, has not been altered.

### TERMS OF SUPPLY

- 1 Bonus in kind will be allowed only when one or more standard parcels G, H, J, K, L, M are ordered.
- 2 The order must be accompanied by cash. No pro-forma invoices can be issued.
- 3 Orders for broken parcels or unaccompanied by cash will not be entitled to bonus in kind.
- 4 Bonus in kind cannot be allowed on any other Halibut Oil Products.
- 5 We must reserve the right to restrict the number of parcels supplied to any one establishment and thereby, as far as possible, ensure fair distribution.



### CROOKES' HALIBUT LIVER OIL Standard Parcels of Drops or Capsules only

	Bonus	Sell	£ s. d.
PARCEL G = 1 DOZEN 12 x 15 c.c. 5/- Drops Less 25%	1	5/-	3 0 0 15 0 2 5 0 4 6
.. 10%			
*Amount of cash with order			*42 0 6
PARCEL H = 3 DOZEN 36 x 5 c.c. 2/- Drops Less 25%	3	2/-	3 12 0 18 0 2 14 0 5 5
.. 10%			
*Amount of cash with order			*42 8 7
PARCEL J = 1 DOZEN 12 x 30 c.c. 9/- Drops Less 25%	1	9/-	5 8 0 1 7 0 4 1 0 8 1
.. 10%			
*Amount of cash with order			*43 12 11
PARCEL K = 6 DOZEN 72 x 5 c.c. 2/- Drops Less 25%	12	2/-	7 4 0 1 16 0 5 8 0 10 10
.. 10%			
*Amount of cash with order			*44 17 2
PARCEL L = 1 DOZEN 12 x 100 Capsules Less 25%	1	8/6	5 2 0 1 5 6 3 16 6 7 8
.. 10%			
*Amount of cash with order			*43 8 10
PARCEL M = 3 DOZEN 36 x 100 Capsules Less 25%	3	8/6	15 6 0 3 16 6 11 9 6 1 3 0
.. 10%			
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THE CROOKES LABORATORIES (British Colloids Ltd.) PARK ROYAL, LONDON, N.W.10  
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# HEPAMINO

(Patent pending No. 1921/1943)

The Proteolysed Liver product prepared by the process evolved at The Evans Biological Institute will be marketed under the name HEPAMINO.

**INDICATIONS:** The oral treatment of all forms of macrocytic anæmia, refractory anæmia and food deficiency debilities (vide British Medical Journal, May 29th, vol. 1. p.655).

**SUPPLIES OF HEPAMINO  
WILL BE AVAILABLE SHORTLY**

*All enquiries should be addressed to:—*

**EVANS SONS LESCHER & WEBB LTD**

**HOME MEDICAL DEPARTMENT, SPEKE, LIVERPOOL 19**



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desire to warn the public that certain **LIPSTICKS NOT OF THEIR MANUFACTURE**, but to which their name and address have been falsely applied, have been sold in Newcastle-under-Lyme and elsewhere.

Yardley give notice that they will rigorously prosecute any further cases of such fraud and ask the co-operation of their friends in these districts to bring such cases to their notice.

**YARDLEY & CO. LTD.**

ckville House, 40, Piccadilly, London, W.1

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Regular advertisements in the National Press, the prevalence of cold epidemics, and recommendations of previous customers, are creating a growing demand for SEROCALCIN. The present time is your opportunity to increase your goodwill. Although supplies are still available, chemists are advised to stock up now before position changes.



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*Rendells*  
PRODUCTS

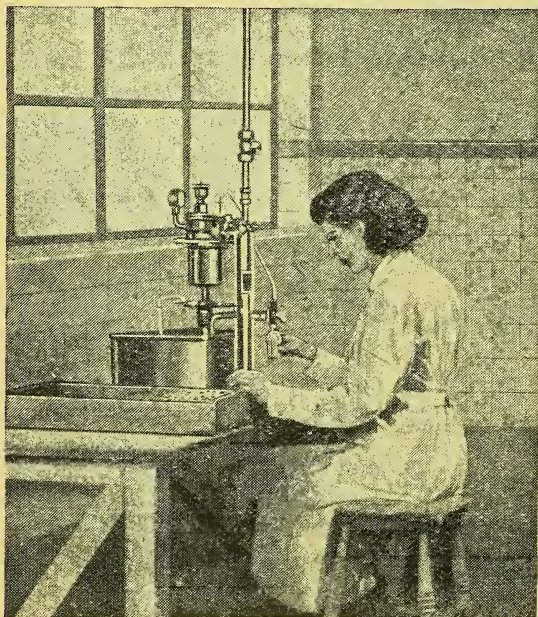
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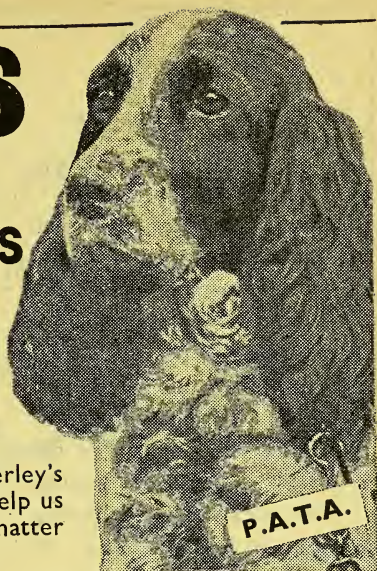
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Kindly address all enquiries, orders, remittances, etc., to the above address. Dealers will earn the gratitude and goodwill of all dog owners if they carry a good stock of Sherley's Famous Preparations. An early advice will help us to give every dealer the fullest support, no matter how difficult conditions may be.



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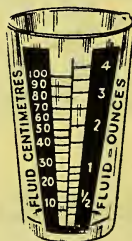


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OZ. and C.C. Graduation  
permanent and easily read  
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Sell them with confidence. They save rubber in manufacture and in use

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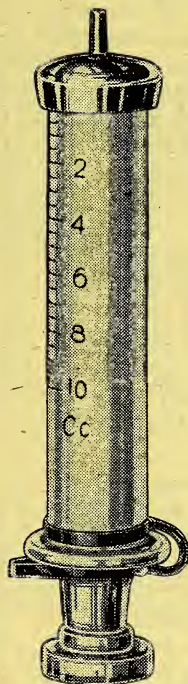
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# 'SURE SHIELD'



## Products

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- 2nd. Due to the position, all additions can only be treated as separate orders.
- 3rd. When writing with reference to an order on hand, please give *exact date* when sent on.

### "SURE SHIELD"

Registered Trade Mark

IODISED THROAT TABLETS  
FRUIT LAXATIVES  
GLYCERINE OF THYMOL  
PASTILLES

PASTILLES — LOZENGES  
TABLETS

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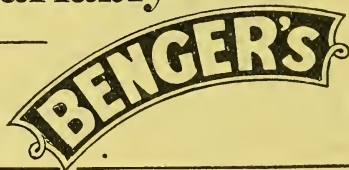
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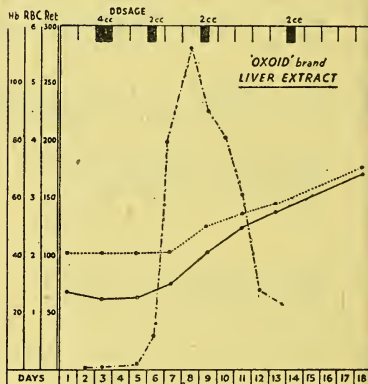
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## NEWS OF THE WEEK

**Pyrethrum for Aircraft.**—The Colonial Office announces that a "bomb," the chief ingredient of which is pyrethrum, is being used for disinfecting aircraft on tropical air routes. The work was formerly done by means of a spray.

**Approval for Insecticides.**—Under the official scheme of approval for insecticides and fungicides (*C. & D.*, January 22, p. 100), the Ministry of Agriculture and Fisheries and the Department of Agriculture for Scotland are now receiving applications for approval in the groups copper sulphate; upper fungicides exclusive of seed dressings; and products having rotenone-containing resins as the main active principle. Applicants must be either the manufacturer or the authorised agent under whose name the product is sold. For a product sold and used in Great Britain, but manufactured elsewhere, application is accepted from the authorised selling agent resident in Great Britain, who will be required to accept responsibility for breach of any undertaking or condition on the

strength of which any approval is granted. Requests for application forms, indicating the number of applications to be submitted in each of the above groups, should be sent to the Secretary of the Advisory Committee, Plant Pathology Laboratory, Milton Road, Harpenden, Herts. A separate form is required for each proprietary.

**Trading with the Enemy.**—The Board of Trade announces that, under an Order which came into force on January 24, changes have been made in the "black list" of traders abroad with whom it is unlawful to have dealings. Copies of the Order—the Trading with the Enemy (Specified Persons) (Amendment) (No. 1) Order, 1944 (S. R. & O., 1944, No. 24)—are now available from H.M. Stationery Office.

**B.P. Amendment.**—Notice of the following amendment of the British Pharmacopœia, 1932, has been issued by the British Pharmacopœia Commission:—The period during which ointments prepared according to the original formulas of the British Pharmacopœia, 1932, or Addenda,

may be dispensed or supplied is extended to include the six months ending August 1, 1944. (See Sixth Addendum to the British Pharmacopœia, 1932, page iv—Notice Concerning Ointments.)

**New Penicillin Plants in Britain.**—Important new plants for the production of penicillin are rapidly coming into operation in this country, stated Mr. H. Jephcott, Ph.C. (scientific adviser on manufactured goods to the Ministry of Food), recently. Mr. Jephcott will shortly visit the United States on the Ministry's behalf to discuss penicillin manufacture.

**Government Attitude to Cartels.**—Replying to a question by Lord Strabolgi in the House of Lords on January 26, Lord Woolton (Minister of Reconstruction) said that a statement of the Government's attitude to trusts, cartels and combines would be made in a White Paper to be issued shortly. The White Paper would also deal with policy on full employment.

**Dublin Factory Strike.**—A strike took place at the factory of Rice, Steele & Co., Ltd., manufacturing chemists, Brabazon Street, Dublin, on January 12, when the workers sought to have their pay and conditions brought within the drug-trade agreement. The employers contended that the workers' pay and conditions should be governed by the Confectionery Trade Board.

**Brighton Branch.**—A meeting of the Brighton and Hove Branch of the Pharmaceutical Society was held on January 6, when Mr. H. N. Linstead, M.P. (secretary of the Society), gave an address on "Likely Developments Arising Out of Assumption B of the Beveridge Report." Mr. G. F. Patterson (chairman of the branch) presided, and Messrs. D. Hudson, R. W. Lindsey, F. L. Watson, W. L. Chatfield, A. G. Novis, and Edgar Jones (secretary) took part in a subsequent discussion. Refreshments were provided by the ladies' committee.

**Leicester Pharmaceutical Employees.**—A well-attended meeting of employees was held in Leicester on January 16. In the chair was Mr. A. A. Wompra, and the speakers were Mr. G. H. Armitage (acting chairman, National Pharmaceutical Employees' Union) and Mr. H. Patchett (organising secretary). MR. ARMITAGE reviewed the position of employee organisations in pharmacy, and gave details of the history of the N.P.E.U., its aims and scope, together with facts about the Retail Pharmacy Joint Industrial Council. MR.

PATCHETT followed with an encouraging report on the progress of the Union, and told how some of the early difficulties had been overcome. A resolution supporting the N.P.E.U. was carried without dissent and a Leicester and Leicestershire Branch was created with the following officers:—*Chairman*, Mr. H. J. Collis; *Treasurer*, Mr. F. Robinson; *Secretary*, Mr. A. A. Wompra, 101 Wyngate Drive, Leicester.

**Women Pharmacists' Dance.**—The annual dance of the National Association of Women Pharmacists was revived in London on January 6 after a lapse of four years, when 127 members and friends were received by the president (Miss M. C. Islip), supported by Mrs. J. K. Irvine, M.B.E. (a member of the Pharmaceutical Society's Council). Mr. Peter Irvine acted as M.C. The committee wish to thank all who supported their effort, and especially the forty members and friends who took tickets though unable to be present. The proceeds, which are being forwarded to the Pharmaceutical Society's War-aid Fund, amounted to a least £30.

**Dietary Surveys and Conference.**—The Nutrition Society is to hold two conferences on budgetary and dietary surveys of families and individuals. The first will be held at the London School of Hygiene on February 5, when Sir John Orr will preside and the speakers will include Messrs. A. G. Jones (Ministry of Food), E. R. Bransby (Ministry of Health), F. Clark (Children's Nutrition Council), L. Moss (War-time Social Survey), A. Bradford Hill (Air Ministry), D. Caradog Jones (School of Social Sciences, Liverpool University), Professors M. Greenwood, F.R.S. (London School of Hygiene) and A. L. Bowley (Institute of Statistics, Oxford), and Dr. E. H. M. Milligan (Medical Officer of Health for Glossop). The second meeting will be held in London in May when there will be discussions on data obtained from analyses of institutional diets, methods used in the preparation of food, and laboratory assessments of the nutritional value of meals.

**Employees' Conference in Edinburgh.**—Pharmaceutical employees from all parts of Scotland attended a conference held recently in Edinburgh under the auspices of the Edinburgh Branch of the Association of Pharmaceutical Employees. The principal speaker was Mr. G. Maurice Hann (general secretary) who reviewed the activities of the Association, and detailed the steps taken to secure representation of employees on the Central and Scottish Central Phar



Pharmaceutical War Committees and the negotiations that had resulted in the setting-up of a Joint Industrial Council for Retail Pharmacy. The latter, he said, did not apply in Scotland, because the Scottish Pharmaceutical Federation was not prepared to participate. Discussion followed. Points raised included strengthening of the organisation in Glasgow, extra clothing coupons for workers engaged in dispensing, and co-operation with the Association of Scientific Workers and other Trade Unions.

**Saccharin Control Order.**—The Saccharin (Control and Maximum Prices) Order, 1944, has been made by the Minister of Food, consolidating the Saccharin (Control and Maximum Prices) Order, 1942, No. 555, as amended by No. 669 of 1943. A few minor amendments have been introduced. A tolerance for the saccharin and alancran content of sweetening tablets has been provided; provision has been made to enable a seller to make a reasonable charge by way of deposit for returnable containers when saccharin is sold in quantities of 20 lb. or more. The clauses dealing with the keeping of records have been extended and put into common form and an exception to the prohibition on the use of saccharin tablets or sweetening tablets in the manufacture or preparation of any product has been made in the case of a caterer supplying food or drink in the course of his catering business. Prices remain unaltered. The Order comes into force on January 30.

**Inquests.**—At a Liverpool inquest on January 17, a verdict of accidental death was returned on a two-years-old boy, who died in hospital on January 14 through swallowing caustic potash. The child, while playing, put into his mouth a round, glass-cased pencil. This caused him to cry, and he was taken to hospital. After three weeks in hospital, the child was discharged and seemed quite well; but a few days after he experienced difficulty in swallowing food, and vomited. He again entered hospital, where he died from broncho-pneumonia, accelerated by under-nourishment as the result of a stricture of the oesophagus.—A verdict of death by misadventure was returned at Coventry, recently, on Joseph Charles Simpson, who died as a result of taking aspirin tablets, probably to the number of 100.—At Bootle, on January 21, a verdict of death from misadventure was returned on John Ledgidge, who took a dose of liniment in mistake for cough mixture.

**In the Courts.**—An unsuccessful plea that the handling of dangerous drugs had impaired his health was made at Edinburgh Sheriff court on January 7, when John William Tocher, sixty-three, an employee of an Edinburgh firm of manufacturing chemists, was fined £5 for failing to fulfil fire-guard duties.—For harbouring one and a quarter bottles of eau de Cologne with intent to defraud the Commissioners of Customs of the duties thereon, Maurice Shapiro, a barber, Antrim Road, Belfast, was fined £6 6s. 6d. at Belfast summons court on December 21, 1943. Defendant said the eau de Cologne was given to his wife as a present.—At Dundee sheriff court, recently, Chang Nyok Tsang, a ship's quartermaster, was fined £10 for bringing 4 lb. of raw opium into the country. Defending solicitor stated that accused had brought the opium from Calcutta, not for the purpose of sale, but because he suffered from stomach trouble.

**Birmingham N.P.U. Meeting.**—A meeting of the Birmingham branch of the National Pharmaceutical Union was held on January 5, Mr. W. Martin in the chair. Mr. Martin was supported by the president of the Birmingham Pharmaceutical Association (Mr. L. H. Teare). The speaker was Mr. H. H. Marshall (area representative on the N.P.U. Executive), his subject being "The N.P.U.: Its Work Today and its Plan for Tomorrow." Mr. Marshall summarised the early development of the Union, mentioning the Chemists' Defence Association and the Chemists' Sickness and Provident Society. Discussion followed. MR. GARDNER wondered what part the pharmacist would be expected to take in the scheme put forward in the Ministry of Health bulletin to pharmacists. MR. TEARE was concerned that three increases in dispensing fees had already been somewhat discounted by purchase tax payable on dispensing labels. He was opposed to pharmacists giving service free in reply to every request from a Government Department, and found the scheme for free weighing and measuring very inconvenient. MR. T. H. MARTIN thought much more could be done by the Standards Committee of the Chemists' Friends Association. Many preparations of doubtful efficacy were still being sold and nationally advertised. MESSRS. SHELLEY, LEWIS PARRY and WELLER also took part in the discussion. A vote of thanks to Mr. Marshall was proposed by MR. RIGG, seconded by MR. WELLER, and a vote of thanks to the chairman, proposed by MR. TEARE, was seconded by MR. GOULDING.

## EMPIRE AND FOREIGN NEWS

**Quinine Pool.**—Contributions to Canada's recently-established quinine pool equalled 110,000 doses in the first ten days. Donations were made by 290 contributors.

**Herb Collection in Jugo-Slavia.**—The axis-controlled Jugo-Slav newspaper "Novo Vreme" appeals to the population to collect medicinal herbs and states that the Government is to publish advice on the subject. The herbs in demand include coriander, digitalis, poppy, aniseed, sage, valerian, mullein, wormwood and chamomile.

**Canadian Cork Supplies.**—Canada's cork supply has improved so much in recent months that restrictions on the use of cork have been removed. When the seriousness of the cork situation first necessitated control, corkboard was allowed to be used only for the preservation of food and beverages. This ruling has now been rescinded.

**Health Campaign in Trinidad.**—Plans to spend £500,000 on a health programme in Trinidad are announced by the Colonial Office. The scheme provides for new specialists, higher salaries for nurses, health propaganda and the teaching of hygiene in schools, and includes the foundation of two health centres and eleven dispensaries.

**No Turkish Drugs for Germany.**—The Turkish Government has acted on Allied advice in ordering that no pharmaceutical products shall be sold in Turkey unless the buyer is personally known to the supplier. The object is to prevent German agents from buying up products in short supply in Germany following the bombing of pharmaceutical works there.

**Canadian Aid-China Appeal.**—An appeal to Canadian pharmacists to subscribe to a fund for the expansion of training facilities at West China Union University has been made by Dr. E. N. Meuser (head of the department of pharmacy at the University). If the fund permits, graduates will be sent to all parts of free China to set up new pharmacy schools.

**Petroleum Jelly Stocking.**—The Royal Canadian medical research unit reports that a stocking impregnated with petroleum jelly has proved effective in combating swelling and gangrene caused by prolonged exposure to salt water and often suffered by victims of torpedoing. The first 5,000

pairs of such stockings for use of Merchant Navy ships have been donated by the National League of Canada.

**Bulgarian Pharmacy.**—A recent decision by the Bulgarian Government placing chemists under the authority of the Public Health Directorate. The mobilisation of personnel is stated to be unavoidable, and everything possible is being done to avoid interfering with the freedom of chemists. Lack of man-power, however, makes imperative that the authorities should attempt to move chemists to parts of the country where the need for them is greater.

**Increase in Women Pharmacy Students.**—Enrolment in the Ontario College of Pharmacy at Toronto has decreased 60 per cent. owing to the war, but the number of women students has increased every year. Of forty-six first-year students in 1943 twelve were women. The main reason is stated to be that many Ontario pharmacists have daughters who want to carry on their fathers' work. The girls are instructed in first aid, physics, chemistry and business practice in addition to their regular studies.

**Laboratory Services for South African Doctors.**—A plan for an expanded national laboratory service in South Africa was recently placed before the National Health Services Commission by Dr. E. H. Cluver (director, South African Institute for Medical Research). Dr. Cluver said the present medical research and laboratory services of the Union overlapped, and were inadequate and wasteful. Decentralisation, through the development of independent local laboratories in collaboration with the central laboratory, was essential; in such decentralisation private laboratories could play an important part. Laboratory service should be within reach of every medical practitioner—not more than two hours travelling time away—and the need for some laboratory facilities in the immediate vicinity of every hospital could not be too strongly stressed. Unless these were available, the doctors would make little use of laboratory aids, to the great detriment of the public. Whenever laboratories had been established, the number of specimens submitted by the local medical practitioners increased tremendously. Such laboratories need not be expensively equipped, provided they were backed by larger ones to which more difficult examinations could be referred.



## TOPICAL REFLECTIONS

### Memorable Address

The "token" award of the Hanbury Medal of the Pharmaceutical Society to Sir Henry Dale (p. 96) was the occasion of a brilliant survey of the subject with which the medal is associated. The recipient's distinguished record in pharmacology has been fittingly signalled by his election as President of the Royal Society, and his contact with pharmacy, extending over many years, lends additional importance to his masterly address. With his accustomed economy of phrasing Sir Henry led us to the forecast that will probably attract more attention than other parts of this memorable pronouncement. The British Pharmacopoeia of 1932, he remarked, has abandoned "all pretence at restriction to that could be done in the individual pharmacy": he connected this change with "the new movement towards a therapeutics dealing with causes rather than symptoms," a movement "rapidly gathering momentum." He went on to forecast a new entation, a departure from "the old-fashioned dispensing of mixtures to individual prescriptions" in favour of the preparation of remedies by "a scientific, large-scale manufacture," leaving to the pharmacist, in this matter, "little more than an intelligent retail distribution of ready-made and standardised products." This, however, is not the speaker's last word. "Clinical biochemistry . . ." is decadent on technical procedures which offer but little, either in their nature or in their difficulty, from ordinary pharmaceutical methods of analysis and identification."

### Changes Forecast

Where Sir Henry Dale speaks "with great diffidence," one must observe an at least equal caution in venturing on a comment. One obvious point suggests itself at the outset. "Some of the procedures commonly regarded as biochemical . . . are nothing but applications to a biological principle, such as blood or urine, of pharmaceutical methods of assay. . . ." There will be need of a clear delimitation between the kinds of analysis that are within the competence of a pharmacist, working in a well-equipped pharmacy, and those that are not. The possible danger of the prescriber coming "a mere sorting machine," transferring serious cases to a hospital, has been foreseen by the speaker, who envisages, to meet the situation should it arise,

"a very large number of new laboratory centres." One cannot suppose that the medical profession would countenance the mass prescribing of "ready-made and centrally standardised products" or, indeed, of any products: to do so would be a negation of part of the declared policy of the British Medical Association. Some allowance may be made for what is known as fashion in medicine; it follows, I think, that "the old-fashioned dispensing" may have periods of revival. I may add that in the day-to-day work of an open shop dispensing, important as it is, takes its place by the side of other forms of service, and in particular the giving of advice to countless customers who, in questions of health, often display an almost complete ignorance. For this service there is, so far as I am aware, no substitute.

### A Veteran's Warning

While reading Sir Henry Dale's address, with its lucid discussion of changing conditions and its discerning suggestions for turning them to advantage, I was reminded of an article by Mr. H. G. Wells in the current issue of "The Hibbert Journal." Writing from a biological standpoint, Mr. Wells marshals facts in an elaborate argument designed to impress upon us how conditional our tenure of this planet is. While the president of the Royal Society suggests that we make the best of things in a changing world, Mr. Wells warns us that the human race, *Homo sapiens*, may become extinct. While we are discussing such prosaic, though necessary, questions as the hours of business (p. 104) or the present allowance of sugar (p. 87), he exhorts us to bestir ourselves lest we give place to other forms of sentient life. A case for anxiety about the future of mankind can, of course, be made out. We have, as Mr. Wells remarks, insufficient measuring rods to be certain at present of various things we should like to know—whether, for instance, the sun is cooling or "warming up." At the end of his article he puts before us "knowledge or extinction" as the stark alternatives. No one who reads current literature with attention is likely to question the right of this accomplished veteran to have his say on such a topic. But does he not underrate the determination, the force of will, behind scientific research of the best type? Will not new threats be met by new and sufficient measures?

**Xrays**

## LEGAL REPORTS

**Fined After Warning.**—At the Mansion House, London, recently, H. Stern, described as a chemist, Queen Street, E.C., was summoned at the instance of the Board of Trade for selling, on July 21, 1943, a 3-oz. bottle of mineral make-up at a price exceeding the permitted price. Evidence put forward by the Board of Trade showed there had been previous complaints against Stern. Defendant admitted two previous convictions, but said "I am perfectly appalled at the way in which the case is put forward by the Board of Trade solicitor. He knows as well as I do that prices vary from time to time, so that a trader hardly knows where he stands today. Knowing all these difficulties the solicitor stands there and tells the Court a story that makes one's flesh creep. It is not only absurd, it is unfair. To avoid offending against one of the many rules and regulations made by the Board, one should be nothing less than a miracle man. It is not right that business men who make an honest mistake which it is impossible to avoid should be accused by the solicitor to the Board of Trade of being a crook, a swindler, or something worse." The chairman agreed that traders were having a difficult time, but pointed out that the emergency laws must be obeyed. Defendant had been previously warned, and would be fined £5, with £10 10s. costs.

**Conspiracy Charges.**—At Marlborough Street, London, police court, on January 24, Framrose Jehangir Patel, merchant, Dolphin Square, and Robert Scott Cleminson, described as a bookseller and analytical chemist, Seymour Place, Paddington, were remanded on bail on a charge of conspiring to commit offences against the Limitation of Supplies Orders. Patel was also charged with making a false return, and with supplying toilet preparations in excess of his quota; Cleminson was accused of aiding and abetting in the last-named offence. For the Director of Public Prosecutions, it was stated that Patel represented the amount of his trade during the standard period, June 1939 to May 1940, to be £12,940. In fact, far from manufacturing toilet preparations, he was for the most part receiving relief during that period from the Public Assistance Board. At first the Board of Trade accepted his figures, but Patel, having got his quota, found it insufficient to meet the demand. He proceeded, with the aid of Cleminson, it was alleged, to flout the law by manufacturing toilet preparations on a large scale, his turnover being between £75,000 and £100,000. To overcome the difficulty of

the 15 per cent. quota, an enormous increase was made in the cost of packing. Ingredients and foundation products were sold for comparatively small sums, but an exorbitant charge was made for packaging.

**Label Calculated to Mislead.**—In the King's Bench Division, London, on January 17, an appeal by Concentrated Foods, Ltd Chiswick, against a decision given against the company at Maidenhead on April 6, 1943, was dismissed. The case arose out of an information laid on October 13, 1942, by an enforcement officer, that the company supplied, with an article sold by a retail grocer on September 4, 1942, a label calculated to mislead as to the nature, substance and quality of the preparation. The containers in question bore a label worded as follows: "Concentrated Cordia Essence. Orangette. The contents of the bottle will make four pints of refreshing drink. Just add a quarter of the essence to each pint of water. A teaspoonful to a glass of water." Appellants contended that no evidence had been tendered to show that they had committed the offence on the date named in the information; that the provisions were out of time, having regard to the provisions of Section 80 of the Food and Drugs Act, 1938; and they (appellants) had shown they did not know, and could not with reasonable diligence have ascertained, that the label was calculated to mislead. Respondent (the enforcement officer) contended that the Act was contravened on the stated date; that the contravention was due to an act of the appellants, who had affixed the labels to the bottles sold on that day; that Section 85 of the Food and Drugs Act, 1938, applied; and that appellants could be convicted for an offence on September 4, 1942, the date of the sale.

The magistrates had concluded that the offence was proved, and imposed a fine of £35 and costs. Mr. Justice Lawrence, who gave judgment in the appeal, said that while appellants claimed to have shown reasonable diligence to ascertain that the label was not calculated to mislead, and had secured the advice of a well-known public analyst that the label contained nothing objectionable, the prosecution had also taken the opinion of a public analyst who disagreed with this view. The evidence of both was heard by the justices, who preferred the evidence of the analyst called by the prosecution. That was a finding of fact with which the Court could not interfere. The second point, that the prosecution was begun after the expiration of the time limit by statute, also failed.



**Unlabelled Lipstick.**—The case against Barnett Davis, merchant, 16 Albemarle Street, London, and Evelyn Ellis; manager of a retail business carried on by Davis at 88 High Street, Barnstaple (see *C. & D.*, January 1, p. 4), was heard at Barnstaple Quarter Sessions on January 20. Davis was stated to be a Russian whose correct name was Bernard Nemerovsky.

Prosecuting counsel remarked that it might seem a nominal and technical offence, and if confined to only one lipstick it might be held that the label had become detached. But the inspector found that between one-third and two-thirds of the goods on view in the shop were not marked with the name of the manufacturers. His instructions were that this was not a "black market" case, the goods in the shop having come from registered manufacturers. What was suggested was that Davis, as a wholesaler, had supplied to himself as a retailer more than his proper share of these goods, of which there was a severe shortage in the country.

Counsel for the defence said there was no quota of cosmetics, and there was no earthly reason why Davis, who supplied large quantities of goods to shops in London and the provinces, should not have had six times the quantity of goods in his shop that he actually had. Counsel put in a bundle of correspondence relating to labels that had become detached. It was difficult to get a gum in war-time that would stick, and that was a problem with which manufacturers and traders were faced. The extent of the business carried on by the defendant could be gathered from the fact that he had paid £171,000 in purchase tax during the past eighteen months. Called by the defence, a senior accountant at the Board of Trade stated that there was no quota on wholesalers in regard to lipstick. He knew that Davis had a large wholesale business, and had never known him to purchase goods from unregistered manufacturers. It was correct that from time to time Davis had been of assistance to the Board of Trade. Counsel for the defence pointed out that it was his client who had elected that the case should come before that Court. "There is no suggestion at all of any illegal or excessive profit," said the Recorder, giving this verdict. "I do not say it was an unavoidable accident that this lipstick was sold without a label, but it was neglect and therefore the accused are guilty." Davis was fined £50 and Ellis £5, and the Recorder also ordered payment by the accused of £78 15s. costs. Evidence of twelve previous charges was given.

## COMPANY NEWS

**DURAZONE CO., LTD. (P.C.).**—Capital £1,000. Manufacturers of and dealers in drugs, toilet requisites, etc. Lionel Presman and James Stallard, directors.

**MEM PRODUCTS, LTD. (P.C.).**—Capital £100. Manufacturers of and dealers in perfumes, toilet preparations, etc. R.O.: 62 Becmead Avenue, Streatham, London, S.W.16.

**A. S. FURNISS, LTD. (P.C.).**—£1,000. To acquire the business of a chemist carried on by Arthur S. Furniss at 531 Prescott Road, Liverpool. Directors are to be appointed. Solicitor: E. B. Kendall, 24-26 North John Street, Liverpool.

**PORTSLADE BY-PRODUCT CO., LTD. (P.C.).**—Capital £1,000. To acquire the business of manufacturing chemists, etc., carried on at Vale Road, Portslade-by-Sea (R.O.), as the Portslade By-Product Co. Gerald B. and Tess Cuming, Dorothy P. and John H. Warr, directors.

**NO-AKE MANUFACTURING CO., LTD. (P.C.).**—Capital £3,000. To acquire the business of wholesale druggists' sundriesmen carried on as the No-Ake Manufacturing Co. by George E. and Thomas W. Morris, Melville Street, Wombwell, Yorks. Directors and R.O. as above.

**CLARTOVAL PRODUCTS, LTD. (P.C.).**—Capital £500. Manufacturers of and dealers in perfumes, essences, soaps, toilet requisites, etc. Harry W. Tovey, Frederick W. O. Clarke, contractor, and Charles G. Valentine, directors. R.O.: 1 Aber Rhondda Road, Porth, Rhondda.

**W. H. CLEMENT (RADSTOCK), LTD. (P.C.).**—Capital £2,000. To acquire the pharmacy carried on as W. H. Clements at The Street, Radstock, Somerset, by Eleanor S. and Gladys G. Clement. Mrs. Eleanor S. Clement, Gladys G. Clement, M.P.S., Mrs. Dorothy Williams, and Mrs. Irene Virgo, directors. R.O.: 6 The Street, Radstock, Somerset.

**R. C. DAVENPORT, Ltd.**—The directors of this recently-registered company (see *C. & D.*, January 8, p. 33) point out that the business was established in 1892. Following the death of Mr. R. C. Davenport, M.P.S., in 1934 it was continued by his widow, Mrs. S. J. Davenport, under the management of Mr. C. W. E. Holden, M.P.S.; both Mrs. Davenport and Mr. Holden are directors of the new company, whose trading policy has undergone no change.

## TRADE NOTES

**Small Size Withdrawn.**—Ex-Lax, Ltd., Slough, Bucks, announce that the  $\frac{1}{2}$ d. size of Ex-Lax chocolate laxative has been withdrawn, leaving two sizes only of this advertised speciality.

**Increase in Prices.**—From January 29 the prices of Ovaltine are being increased. The new prices have been made by the manufacturers, A. Wander, Ltd., London, S.W.7, in conformity with the provisions of the Prices of Goods Act.

**Tablets for the Trade.**—Donald Brooks & Co., Ltd., 271 Wakefield Road, Huddersfield, Yorks, specialise in the manufacture of tablets, pills, lozenges and capsules and offer samples and quotations to chemists wishing to contract for supplies.

**Medicine Measures.**—A range of glass measures bearing c.c. and fl. oz. graduations (white enamelled, fired-on) is offered under the brand name Easiseen by Actina, Ltd., 19 Woodstock Street, London, W.1. Prices and terms are given in an announcement elsewhere in this issue.

**Emulsifiers.**—Rex Campbell & Co., Ltd., 7 Idol Lane, London, E.C.3, invite inquiries about emulsifiers for all purposes. The company is the sole distributor and technical representative of Glyco Products Co., Inc., New York, U.S.A., and Universal Emulsifiers, Ltd., England.

**Inquiries for Combs.**—A. B. Products, Spring Road Works, Manningham Lane, Bradford, announce that, whilst their production of combs, hair curlers and grips is restricted, they invite inquiries from retailers, whom they will put in touch with the nearest wholesaler holding supplies.

**Proteolysed Liver.**—A proteolysed liver product prepared by a process evolved at the Evans Biological Institute (Evans Sons Lescher & Webb, Ltd., Speke, Liverpool, 19) is being marketed under the name Hepamino. The preparation is for oral treatment of all forms of macrocytic anæmia, refractory anæmia and food deficiency debilities.

**Medicinal Mud Preparations.**—A new series of mud preparations, described as incorporating Caria radium spa mud, has been introduced by Caria Radium, Ltd., Regent Street, London, W.1. The series includes spa mud, skin soap, skin balm, shampoo soap, foot powder, foot comfort ointment, tooth powder, shaving soap, etc. Further details were given in a recent announcement.

**Press Campaign.**—Details of an advertising campaign for the medicinal products distributed by Sun Island Chemicals, Ltd. Bylands, St. George's Hill, Weybridge, are given in an announcement elsewhere in this issue. The specialities include Coolbur unguent, Octone eye lotion, Vitavan ointment, Agon tablets for asthma, Dex tablets for indigestion, and Ekner pick-me-up powder and tablets.

**Manufacturing in South Africa.**—Manufacturing Laboratories (Proprietary), Ltd. 52 Simmonds Street, Johannesburg, South Africa, undertake to manufacture in the Dominion, under licence, British proprietary and ethical products which it is not at present possible to export owing to lack of shipping space. Marketing can be done through existing agents, and interested manufacturers in this country should communicate in the first instance with Anglo-African Shipping Co. (S.A.), Ltd. 1 Throgmorton Street, London, E.C.2.

### Proprietary Articles Trade Association

**Additions to the Protected List.**—*Allied Laboratories, Ltd.*, Antoin tablets, 50's, 30s. doz. tax 5s. doz., inclusive retail price 4s. 2d.; 126's 63s. doz., tax 10s. 6d. doz., i.r.p. 8s. 9d. Asmotil tablets, 50's, 34s. doz., tax 5s. 8d. i.r.p. 4s. 9d.; 100's, 63s. doz., tax 10s. 6d. doz. i.r.p. 8s. 9d. Examone tablets, 100's, 63s. doz. tax 10s. 6d. doz., i.r.p. 8s. 9d. Flocusil tablets 100's, 63s. doz., tax 10s. 6d. doz., i.r.p. 8s. 9d. Meloden tablets, 45's, 39s. doz., tax 6s. 6d. doz. i.r.p. 5s. 5d.; 90's, 72s. doz., tax 12s. doz. i.r.p. 10s. Mycon tablets, 12's, 28s. doz. (exempt from tax). Femilan tablets, 9's, 10s. doz., tax 1s. 8d. doz., i.r.p. 1s. 5d.; 24's, 24s. doz., tax 4s. doz., i.r.p. 3s. 4d. Melosan tablets, 50's 3s. 4½d., 27s. doz., tax 4s. 6d. doz., i.r.p. 3s. 9d. Melosan liquid, 6-oz., 27s. doz., tax 4s. 6d. doz. i.r.p. 3s. 9d. Meloton tablets, 25's, 24s. doz. tax 4s. doz., i.r.p. 3s. 4d.; 65's, 54s. doz., tax 9s. doz., i.r.p. 7s. 6d. Cortesan ointment, 1-oz., 15s. doz., tax 2s. 6d. doz., i.r.p. 2s. 1d.; 2-oz., 24s. doz., tax 4s. doz., i.r.p. 3s. 4d. 2½ per cent cash discount for payment within seven days of date of invoice.

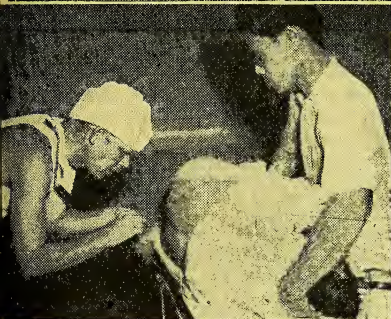
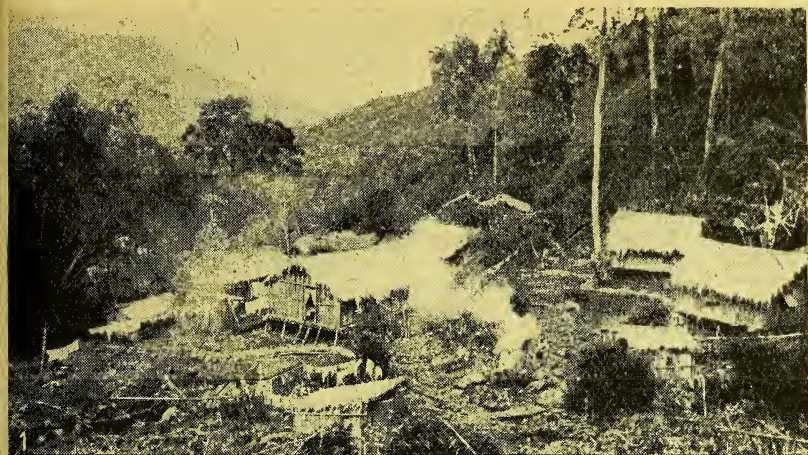
**Corrections.**—*John Freeman & Co., Ltd.*, Nylon tooth-brushes, No. 3 (long-head), 3-row and No. 4 (short-head), 4-row, 12s. 1d. doz. tax 4s. doz., inclusive retail price 1s. 10d.

*Parke, Davis & Co.*, Gluco-Fedrin with Phemeride, 1-oz., 3s. 3d., 25s. 11d. doz.

**Army Mobile Printing.**—Specially adapted lorries carry full-size photo-litho-offset equipment capable of turning out 5,000 maps per hour. 245 lb. of specially toughened, high-grade paper is needed for every 5,000 maps—one more reason why waste paper is urgently needed.



## N AMERICAN HOSPITAL IN BURMA



1. View of jungle hospital established in North Burma by Seagrave hospital unit of U.S. Army under former Baptist medical missionary. 2. Administering an anesthetic to an American soldier. 3. Naga village headman receiving treatment for infected leech-bite. 4. Instructing a Burmese nurse in microscope technique.



## BIRTH

VEITCH.—Recently, the wife of Mr. W. Charles Veitch, M.P.S., 10 Bloomgate, Lanark, of a son.

## MARRIAGE

NOBLE—AGNEW.—At St. Paul's Church, Upper Norwood, London, S.E.19, Pilot-Officer Alan Noble, younger son of Mr. H. W. Noble, Ph.C., 49 Myrtle Grove, West Jesmond, Newcastle-on-Tyne, 2, to Margaret Anne (Greta) Agnew, younger daughter of Mr. J. W. W. Agnew, M.P.S., The Hamlet Pharmacy, London, S.E.19.

## DEATHS

BARNARD.—On January 9, Mr. Harold Alfred Barnard, M.P.S., 28 Market Place, Coleford, Gloucestershire, aged thirty-seven. Mr. Barnard was in business at Coleford under the style of Barton & Barnard.

BOOTH.—At Tunbridge Wells, on January 20, Mr. Fred Soutar Booth, M.P.S., a director of A. E. Hobbs, Ltd., 72 Mount Pleasant, aged sixty-five. Mr. Booth served his apprenticeship with the late Charles Kerr, Dundee, and, after experience with James Mackenzie, Edinburgh, he went to Nice, France. On his return from the Continent he was for some time with Savory & Moore, Ltd., Bond Street, London, W.1, and subsequently started on his own account at Abingdon, Bucks. He later acquired a business in Surbiton where he was very successful. The Great War intervening, he was promptly called up as a Territorial and sent to King's College Hospital, Denmark Hill, London, S.E., where he remained until demobilisation in 1918, by which time he had risen to the rank of Quartermaster. After the war he was for some time with Mr. E. T. Neathercoat, Weybridge, until he joined Mr. A. E. Hobbs at Tunbridge Wells. When the business was turned into a limited liability company Mr. Booth became a director. He took a keen interest in pharmaceutical affairs, and was for some years secretary of the Tunbridge Wells Branch of the Pharmaceutical Society. He leaves a widow, two sons, and two daughters.

DALTON.—At High Croft, Harrow Weald, on January 20, Mr. John Dalton, senior partner of Dalton & Young, produce brokers, 24 Fenchurch Street, London, E.C.3, aged seventy-eight.

DIXON.—On January 6, Mr. Edward Patterson Dixon, M.P.S., 24 Park Avenue,

Grange Park, Gosforth, Newcastle-on-Tyne, aged thirty-seven.

JONES.—On December 21, 1943, Mr. Christopher Vaughan Jones, M.P.S., Lodge Lane, Liverpool, aged fifty.

NAPP.—On January 22, Mrs. Irene Cherterton Napp, the wife of Mr. Henry Richard Napp (H. R. Napp, Ltd.), Pilgrim's Way, Silverdale Avenue, Walton-on-Thames.

SCOTT.—At Lenzie, Glasgow, recently Mr. Alexander Scott, ex-provost of Callander, aged eighty. Mr. Scott was in business in the town for many years. He qualified a chemist and druggist in 1886.

TAIT.—On November 27, 1943, Mr. James Nicoll Tait, M.P.S., 16 Maule Street, Morfeth, Angus. Mr. Tait qualified in 1903.

TOPLEY.—Following a meeting of the Agricultural Research Council, on January 21, Dr. W. W. C. Topley, M.D., F.R.S., secretary of the Council and an honorary physician to the King. Dr. Topley was member of the War Cabinet Scientific Advisory and of the Colonial Research Advisory Committees. He was the author of a number of works on bacteriological subjects.

TWIVEY.—On December 16, 1943, Mr. Arthur Twivey, Ph.C., 203 Alcester Road, Birmingham, 13, aged eighty. Early in 1943 Mr. Twivey was made an honorary member of the Birmingham Pharmaceutical Association.

WIJS.—On December 13, 1942, Dr. I. A. Wijs, chemical technologist, Holland, aged seventy-eight. Dr. Wijs was well known in this country for his method of determining the iodine value of fats and oils by means of a solution of iodine monochloride in 95 per cent. acetic acid.

WILSON.—On December 29, 1943, Mr. Henry Augustus Wilson, Brixton, London S.W.2, aged seventy-four. Mr. Wilson qualified as a chemist and druggist in 1890.

WYLAM.—At his home, 44 Ravelston Dykes, Edinburgh, on January 15, Dr. Birkett Wylam, M.Sc., Ph.D., F.R.I.C., chief inspector, Department of Health for Scotland, under the Alkali Act, etc. Dr. Wylam was a prominent member of the Edinburgh Section, Royal Institute of Chemistry, and of the Society of Chemical Industry. At one period he was research chemist and process manager of Scott's Dyes, Ltd., a subsidiary of Imperial Chemical Industries, Ltd.



## PERSONALITIES

MR. BOB MARTIN, Southport, has presented £1,000 to the Southport Infirmary on reaching his seventy-seventh birthday.

SIR CLIVE BAILLIEU, deputy president of the Federation of British Industries, has accepted the chairmanship of the Empire Committee of the Federation.

COUNCILLOR F. C. ASHFORD, M.P.S., 1 St. Leonard's Road, Northampton, has been elevated to the aldermanic bench. He was recently unanimously elected chairman of the Public Assistance Committee.

ALD. C. A. CRITCHLEY, J.P., Ph.C., Mayor of Blackburn, celebrates this month's silver jubilee as a member of the local town council. He is an ex-president of the Blackburn Chemists' Association.

MR. JOHN B. LLOYD, M.P.S., chief pharmacist, Salford Royal Hospital, contributed a letter to the "Manchester Guardian" on January 24, in support of an earlier letter by Mr. J. F. McNeal (see *C. & D.*, January, p. 90).

MR. JAMES MARSHALL, M.P.S., St. Vincent Place, Dunoon, has been elected provost of the town, where he has been in business for many years. Provost Marshall is a member of the Provincial Grand Lodge of Freemasons, Argyll.

MR. E. C. HASKINS, M.P.S., Bath, in a letter to the "Bath Chronicle" recently, stated that the temporary suspension of recruitment of pharmacists had been decided too soon, in view of the possibility of further outbreaks of epidemics during the remainder of the winter.

PETTY-OFFICER EDITH PARGETER, R.N.S., one of three Wrens awarded the British Empire Medal in the New Year Honours, was formerly employed by Mr. R. W. Bemrose, M.P.S., 46 High Street, Hawley, Salop. Petty-Officer Pargeter is the author of a novel, "She Goes to war," published in 1942.

MR. W. B. GIBSON, M.P.S., F.B.O.A., 10 High Street, Johnstone, has been elected provost of the town. He has been a member of the local council for seven years, during the last two years of which, in the absence of war service of the provost, he has been occupying the civic chair as chief magistrate. Provost Gibson qualified in 1914 and has been in business in Johnstone for thirty years.

MR. W. E. HAMBLEY, Penrhiw, Eglwysbach, Tal-y-Cafn, North Wales, author of

the "Hymn of the R.A.F." (*C. & D.*, May 1, 1943, p. 455), was until his retirement seventeen years ago a manager to Thompson & Capper, Ltd., Liverpool. Mr. Hambley states that over 75,000 copies of the Hymn have been distributed, resulting in the presentation of about £100 to the R.A.F. Benevolent Fund.

MR. LYALL G. SMITH, the newly elected president of the Irish Drug Association (see p. 123) has been vice-president for the past two years, and a member of the committee for some ten years. In addition to his work for the I.D.A., Mr. Smith has been a pillar of strength to the Photographic Dealers' Association as secretary of the Eire Branch and member for Ireland on the national executive. He was the first to organise photographic exhibitions and competitions for a P.D.A. branch—a lead later followed elsewhere. His father (Mr. John Smith, Rathgar) was one of the original founders of the Dublin Drug Association, from which the I.D.A. has grown. The new president served his time with his father, and gained additional experience in the Royal Dispensary (Duncan's) School of Pharmacy, and the Royal Dispensary, Edinburgh. After qualifying as a Licentiate in Dublin, he went to London, where he served with Lewis & Burrows, Ltd., for a time, subsequently returning to open his own pharmacy in the new suburb of Crumlin, Dublin. He is now managing director of the business of his father (J. Smith & Son, Ltd., Rathgar), where he carries on a flourishing photographic finishing business and operates the Dufaycolor processing station for Eire. Outside pharmacy, Mr. Lyall Smith has taken an active part in the Eire Defence Forces, first as an A.R.P. post warden, and later as a member of the Maritime Inscription, where he has recently been promoted Petty Officer.

MR. GERALD C. O'NEILL, the new vice-president of the Irish Drug Association (see p. 123), is a native of Dungannon, co. Tyrone, and one of the younger men in Irish pharmacy. For seven years he has given zealous service as a member of the committee. Mr. O'Neill served his apprenticeship with the late Mr. Tim Costelloe, Drumcondra, Dublin, and qualified in 1930. The following year he opened his own pharmacy at Blackrock, co. Dublin. He was the first chairman of the Benevolent Fund dance committee, a body on which he has served consistently since its establishment.

## EIRE STUDENTS' COUNCIL

THE Council Chamber of the Pharmaceutical Society of Ireland was packed with students on January 11, when a Pharmaceutical Students' Representative Council for Eire was inaugurated. Mr. John J. Tierney was in the chair, and Mr. Charles Ward acted as secretary.

### Society's President Addresses Students

MR. C. J. CRÉMEN (president, Pharmaceutical Society of Ireland) said that the Council and himself wholeheartedly approved of the movement to establish such a council, and would help in every way possible. A past-president of the Society (Mr. John Gleeson) had been responsible for the preliminary negotiations, and there was present at the meeting the vice-president of the Society (Mr. Kevin Whelehan).

MR. WHELEHAN said one of the things he had dreamed of as a student in 1929 and 1930 had been the formation of a Students' Union that would act as go-between to students and the Council to deal with grievances. That was being accomplished that night, when the attendance represented a fair cross-section of the pharmaceutical chemists of the future. The Council of the Society laid much stress on getting it well established in the public mind that pharmacy was a profession. They, as students, should remember that the public would judge the profession as a whole by the individual chemist's personal standards. The future of the profession was in their hands.

### Practical Help Received

MR. TIERNEY said he would like to thank both Mr. Cremen and Mr. Whelehan for coming to this meeting. Mr. Cremen had placed the Society's premises and office facilities at their disposal in forming the council. When it looked as if they would have no lecture on poison law before the coming Licence examination, owing to Mr. Kerr's illness, they approached Mr. Cremen and at short notice he arranged for Mr. Warwick to give the lecture.

MR. WARD, seconding the vote of thanks, said the students knew how difficult it had been in the past to approach the Council, but that was not so now. In addition to the Society's president and vice-president, and Mr. Gleeson, he would like to pay tribute to Messrs. P. C. Cahill and Kerr (registrar) for sympathetic co-operation.

MR. CRÉMEN replied to the vote of thanks, and he and Mr. Whelehan then withdrew from the meeting.

Before proceeding to the election of council, Mr. TIERNEY said the purpose of the representative body they were forming was not to deal with social activities, but to confine itself purely to matters of academic interest, such as lectures, examinations, and other matters affecting student's work. There was already a strong social committee, and they did not propose to cut into its work. The intention was to hold an annual election to the Students' Council. If during his year on the council a student became qualified, he would remain on the council until the end of the year. Every apprentice would be informed of the existence of the council and would be helped in every way.

### A Ruling Waived

MR. WARD said they had already protested against the arrangements under which rejected candidates at a Licence examination could not come up again for nine months, and had had the ruling waived. Petty personal grievances would not be dealt with by the proposed council, but a genuine grievance would be taken up with the Society on the student's behalf. Unless they had the co-operation of the Council of the Society, and could meet them in discussions around the table, they could achieve nothing. At the moment the Council had a subcommittee working on changes in the curriculum of examination and this was a matter on which the students could be heard.

One student spoke of the desirability of having courses established in biochemistry. It would be to the students' interests to have something done in this matter. An important function of their council was to get the Council of the Society to look upon them not merely as assistants, but as competent pharmaceutical chemists, and qualified to the sense that they had, as Mr. Cremen had suggested, a proper pharmaceutical outlook on life.

### Elections of Council and Officers

Seventeen candidates were then proposed for election to the council, and voting papers were distributed. The following were elected (votes in parentheses):—John Tierney (81); Charles Ward (73); J. Tol (64); J. Quinn (59); Miss M. Wilson (40); J. Corbett (44); Miss U. O'Reilly (4). Subsequently the newly-elected council elected Mr. Tierney as *President* and Mr. Ward as *Secretary and Treasurer* of the Students' Council.



## PECTIN EMULSIONS

THE war-time difficulty of obtaining natural gums for use in pharmacy has focused attention on the use of pectin as an emulsifying agent. Lotzkar and Maclay ("Industrial and Engineering Chemistry," December 1943, p. 1294) have done much work to show the advantages and limitations of pectin as compared with acacia, tragacanth and karaya (Indian tragacanth). They made emulsions of olive oil, cottonseed oil and liquid paraffin containing 25, 40 and 60 per cent. of the oil, with pectin and the above free gums, and of varying acidity. The method of emulsification was to disperse the emulsifying agent in the oil and add the solvent (acidified to varying pH with hydrochloric acid) at one time. The mixture was then shaken in a jar until emulsified. This coarse emulsion was triturated in a mortar to a smooth. The product was passed through a hand homogeniser three times. A pre-vegetative methyl-*p*-hydroxy benzoate (0.1 per cent.) was added and the emulsion stored at 22°C. Photomicrographs were taken at fortnightly intervals.

### Particle Size and Viscosity

The average particle size was seen to decline with increasing acidity, except in the case of tragacanth, where it increased. The viscosity of the emulsion became lower with rising acidity. In general tragacanth emulsions were coarse and viscous, karaya emulsions were gelatinous, acacia emulsions were fine and fluid, and the pectin emulsions fine and viscous. Acacia emulsions were stable over the entire pH range and the karaya did not vary appreciably with the acidity. The tragacanth emulsions were most stable when the diluent was between pH 1.9 and 3. Pectin emulsions of cottonseed oil were similar to those of tragacanth, but there seemed to be no particular trend for the pectin emulsions of olive oil and paraffin. A relation was found between the degree of dispersion of the oil and stability. Also interdependence between initial viscosity and stability was observed. Greater viscosity might prevent creaming but did not necessarily enhance stability. The less viscous emulsions of acacia were as stable as those prepared with the other emulsifiers. Variations of emulsifying efficiency with acidity and from oil to oil restricted generalisations on the comparative efficiencies of the gums and pectin. The general conclusions are that there is little difference between pectin and tragacanth emulsifiers.

## EXAMINATION RESULTS

THE following candidates satisfied the examiners in the Chemist and Druggist Qualifying examination held in England and Wales in December 1943:—

Ash, J. E., Sheffield  
Bowen, T. W., Llanelli  
Brickell, Mary M., Gillingham  
Browne, J. C. W., Ruislip  
Chillistone, N. D., Richmond  
Clegg, Maud, Cheadle  
Corp, H. R., Cheltenham  
Davies, P. H. O., Cardiff  
Davies, T. H., Swansea  
John, G. M., Rhondda  
Jones, M. P., Hampstead  
Lane, R. S., Manchester  
Morgan, J. D. A., Llanelli  
Naylor, Mary A., Bolton  
Oliver, Edith M., Glossop  
Plumridge, G. K., Boscombe  
Pownall, J. R., Southport  
Stuart, J. H. G., Portsmouth  
Summers, W. A., Bedford  
Taylor, Audrey M., Oldham  
Thomas, W. H., Llanelli  
Upstone, Rosamond E., Coventry  
Wood, Lois J., Torquay

The following candidates passed in the Pharmaceutical Chemist Qualifying examination: Carter, E. W., Fox, G. M., Jackson, T. W., John, G., Shinner, J. E., Smallwood, Rosemary, Warsaw, D. W.

### Scotland

In the Chemist and Druggist Qualifying examination in Scotland, the following candidates passed:—

Currie, Sheila, Pudsey  
Farley, H. J., Prescot  
Foster, J., Glasgow  
Francomb, D. S., Liverpool  
Fuller, J. K., Huddersfield  
Hodgson, D. C., Kendal  
Hosie, Jessie M., Glasgow  
Hubert, J. R., Carlisle  
Jardine, Cecilia, Carlisle  
Joyce, J. T., Barnsley  
Kay, Margaret M., Bradford  
Leonard, H. J., Liverpool  
Morrison, J., Edinburgh  
Pealing, Brenda M., Liverpool  
Pedley, D. A., Sunderland  
Plumpton, J. B., Leicester  
Ross, F. G., Rotherham  
Tindale, J., Liverpool  
Watson, Dorothy E., Flamborough  
Wintrip, J., Newbiggin-by-Sea  
Withers, A., Huddersfield

The following candidates satisfied the examiners in the Pharmaceutical Chemist examination: Bruce, W. G. G., Campbell, H. H., Davies, L. E., Kaufman, S. A., Stenton, E., Strafford, J. W., Turner, B. B.



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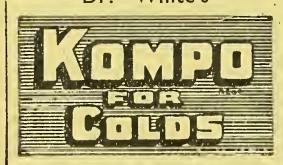
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DL. CXLI JANUARY 29, 1944 NO. 3338

*The fact that goods made of raw materials are in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.*

## New Legal Foods Standards

A NUMBER of Orders recently made by the Minister of Food are the first to be issued relating legal standards for foods in accordance with the policy announced in the White Paper on "The Labelling and Advertising of Foods" (C. & D., November 7, 1943, p. 548). The Defence (Sale of Food) Regulations, which were the subject of the White Paper, involved changes in the existing law, and conferred on the Minister certain powers under which he has now made the Food Standards (General Provisions) Order, 1944 (No. 42), and separate Orders prescribing standards for each of the following foods: Self-raising flour, baking powder and golden raising powder, shredded suet and mustard. The General Provisions Order, which applies to all standards prescribed under Regulation 2 of the Defence (Sale of Food) Regulations, makes it an offence to sell a food for which a standard is prescribed unless the food complies with that standard. It is also an offence to sell a food which is so described as to lead an intending purchaser to believe that he is purchasing food of a description for which a standard is in force, unless it complies with the standard.

A warranty defence and the defence that some other person is responsible for the commission of the alleged offence, similar to the corresponding defences in the Food and Drugs Act, 1938, are provided for the protection of retailers. The provisions relating to taking samples and powers of inspection contained in the Defence (Sale of Food) Regulations, 1943, apply to proceedings in respect of offences against the Food Standards Orders. Under the Regulations, also, enforcement is entrusted to food and drugs authorities, but whereas proceedings in respect of offences against the Regulations may not, in general, be instituted by authorities unless the Minister's prior consent is obtained, it is provided in each of the four commodity standards Orders now issued that consent is not necessary for prosecutions for infringements of the standards.

### The New Standards

The following are summaries of the standards prescribed: (A) The Food Standards (Baking Powder and Golden Raising Powder) Order, 1944 (S. R. & O., 1944, No. 46) defines baking powder as containing not less than 8 per cent. of available carbon dioxide and not more than 1.5 per cent. of residual carbon dioxide. Golden raising powder is described as follows: Not less than 6 per cent. of available carbon dioxide and not more than 1.5 per cent. of residual carbon dioxide. In these two instances the definitions of "available" and "residual" carbon dioxide are based on a detailed indication of the method of determination. (B) Under the Food Standards (Mustard) Order, 1944 (S. R. & O., 1944, No. 43), mustard of any description in powder form must consist of a blend of brown and white mustard flours without the addition of any other substances, and to yield not less than 0.35 per cent. of allyl isothiocyanate after maceration with water for two hours at 37° C. Compound mustard or mustard condiment consists of a blend of brown and white mustard flours with not more than 20 per cent. of amylaceous flours and spices, and to yield not less than 0.35 per cent. of allyl isothiocyanate after maceration with water for two hours at 37° C. It should be noted that the standards do not apply to

white mustard flour sold under the description "pickling mustard," nor to brown mustard flour sold under the description "brown mustard." (C) The Food Standards (Self-raising Flour) Order, 1944 (S. R. & O., 1944, No. 44), defines self-raising flour as containing not less than 0.45 per cent. of available carbon dioxide and not more than 0.65 per cent. of total carbon dioxide. Definitions of "available" and "total" carbon dioxide, based on a brief indication of the methods by which they are to be determined, are included. (D) The Food Standards (Shredded Suet) Order, 1944 (S. R. & O., 1944, No. 45), defines shredded suet as containing not less than 83 per cent. of fat. These Orders come into operation as from March 16 on sales by manufacturers, on May 16 on sales by wholesalers and on July 16 on sales by retailers.

### Dusting Rubber Gloves

THE use of talc as a dusting powder for surgical rubber gloves is deprecated by certain American medical writers as involving a serious surgical hazard. Seelig, Verda, and Kidd ("Journal of the American Medical Association, 123. 15. 950) recommend the use of cream of tartar instead. Since the introduction of the technique of dry gloves, over twenty-five years elapsed before the danger began to be recognised. Cases of post-operative intestinal obstructions caused by talc, and involving further operations, have been the subject of many reports. Even today it is by no means a universal practice to wash the surface talc off the gloves before beginning to operate. Complete removal is difficult, and accidental glove punctures and tears may also result in a seeding of the operative field with talcum. Any insoluble powder sets up a granulomatous foreign-body reaction, whilst a soluble dusting powder dissolves during the process of sterilisation of the gloves, rendering them adherent and thus difficult or impossible to put on. Dry sterilisation of the gloves does not, unfortunately, meet the rigid requirements of aseptic surgery, and boiled gloves are generally undesirable. Cream of tartar is claimed by the authors to meet the physical requirements imposed by steam sterilisation whilst being readily

and harmlessly disposed of by the body tissues and fluids. It causes no consequent peritoneal adhesions, and appears to possess a certain degree of bacteriostasis for the colon bacillus and *Staphylococcus aureus*. In the process of sterilisation, the cream of tartar is subjected only to the now standard technique for sterilising rubber gloves, namely, fifteen minutes of autoclaving at 15 lb. of steam pressure.

### South Africa Sick Fund Dispute

THE relations between Cape Town chemists and the Railways and Harbours Sick Fund were dealt with in a memorandum submitted to the National Health Service Commission recently. An official of the Sick Fund, giving evidence before the Commission, is reported to have stated that the Fund had abandoned the practice of sending patients to chemists, and had put up its own dispensary. It was alleged that Cape Town chemists had tried to interfere because they wanted high rates—the professional fee on top of the retail price. A memorandum from the Pharmaceutical Society of Cape Province stated that a Sick Fund dispensary had been established in Cape Town for many years. Dispensing for members of the fund had been done there, as well as by chemists at contracted rates. Following a dispute between the contracting chemists and the Sick Fund management, many chemists had terminated their contracts. Two additional Sick Fund dispensaries were then started in Cape Town, but the establishment of these dispensaries was not in dispute. In a large area of the Cape peninsula, Sick Fund dispensing was still entirely undertaken by chemist contractors, and even in the areas catered for by the new dispensaries a fair amount of dispensing service was still rendered to members of the Fund by local chemists during hours in which the Fund's dispensaries were closed. The fact appeared to be that the additional dispensaries were opened, not to effect "considerable savings," but reluctantly, and only after all local chemists in the areas affected had declined to renew their contracts, though officials of the Fund had done their best to persuade them to do so.



## PARLIAMENTARY NEWS

**Supplies of Pharmaceutical Preparations.** Mr. R. Glyn asked the Minister of Health January 20 whether he was aware of the shortage of antiseptic lozenges and pastilles used by chemists in industrial areas; that increase in such chemical preparations had been authorised for the winter months; that welfare officers, nurses and persons responsible for works' clinics were experiencing difficulty in procuring sulphonamide preparations in order that factory workers engaged on war production might be provided with normal precautions against disease; and whether he would inquire into the matter with a view to supplying chemists throughout the country with their requirements. Mr. Peat, in reply, said he had no evidence of any general shortage of antiseptic lozenges and pastilles in industrial areas, although in certain districts the demand might temporarily have exceeded the local supply. Sulphonamide preparations were governed by the Poisons Act and Regulations and could be dispensed only on presentation of a prescription signed by a registered medical

practitioner. There had been no general shortage of these preparations, except in the case of one recently developed type for which there had been a largely increased demand from the Fighting Services.

**Post-war Scientific Research.**—In reply to a question on January 19 suggesting the setting up of a scientific research clearing bureau to enable research results at the universities, other research centres, Government laboratories, etc., to be made easily available to all Services and industry, Mr. Attlee (Lord President of the Council) replied: In the preparation of plans for the organisation after the war of scientific research in the national interest, special consideration will be given to improving the existing ways in which the results of scientific research can best be made known and applied to the development of industry and the Fighting Services. The examination given to previous proposals for a clearing-house for scientific research suggests, however, that this may not be the best way of achieving the desired result.

## SECRETARY AT HANLEY

H. N. LINSTEAD (secretary, Pharmaceutical Society) addressed North Staffs Branch of the Society recently on "Latest Prospects Towards a National Medical Service," T. G. Lawley (president) in the chair. As a pharmacist, he said, must show the Minister of Health that their existing shops could provide a first-rate service; in return, they required a first-class payment. They must have a guarantee from the Ministry. Conditions of pharmacy might favour unrestricted competition; such people wanted to be free to put branches where they liked; persons who were not of that opinion must speak with a united voice.

**Questions**

MR. MASON: When are the company committees going to be better represented on the various committees?—MR. LINSTEAD: As the number of employees increases, so they will be elected to committees.

MR. DALE: I should like to ask for more details of the plan of reconstruction. The pharmacist cannot be expected to provide hospital and extend his services until such time as the Government decides to take over.—We can and we must maintain such a service that an alternative involving the expenditure of public money is not needed.

MR. MEAKIN: Will the Society send out a questionnaire to chemists asking whether they are in favour of State dispensing or not?—I attach no value to a questionnaire, because to many questions you cannot answer "yes" or "no."

MRS. HARRISON: Would there be financial help if certain equipment were ordered by the Government?—No advance can be expected. Pharmacy must be prepared to risk something of its own.

MR. TURNER: Can Mr. Linstead give us any idea when the Pharmacy Commission will come into being?—The Government will probably bring out their White Paper in the spring. Then the period of negotiations will start. That will take all 1944. I do not see an Act on the Statute Book before the end of 1945.

MR. REDFERN proposed a resolution supporting the Council in a policy of building up the present system, rather than State dispensaries. MR. DALE seconded, and the resolution was carried with only two dissentients. An amendment advocating a questionnaire to members asking whether or not they favoured State pharmacy found one supporter only. MR. H. C. SHAW (a member of Council) proposed a vote of thanks. MR. GARTSIDE (vice-president) seconded.

## GUILD OF PUBLIC PHARMACISTS

A SPECIAL meeting of the Guild of Public Pharmacists was held in London on January 8, Mr. J. Moore (president) in the chair, when suggestions put forward by the Birmingham Branch about salary problems and the draft constitution and rules of the Guild were the matters on the agenda. THE CHAIRMAN reported upon the council's investigation into the Birmingham proposals, which had been brought forward by Mr. Grainger at the previous annual meeting. For the purpose of the investigation Mr. Grainger had been co-opted on to the council and he had put forward in considerable detail the proposal that the Guild and the British Hospitals' Association should jointly consider salary problems and conditions of service. It was ruled that the council should bear in mind the Ministry of Health's proposed formation of a Joint Industrial Council for Retail Pharmacy (since created). MR. GRAINGER also urged that the Ministry of Health should be approached to form a three-point organisation from the British Hospitals' Association, the Ministry, and the Guild. After considerable discussion the meeting agreed that the proposals, though desirable, were impracticable; also that a Joint Industrial Council for Retail Pharmacy would not be appropriate to deal with Guild problems.

### Draft Constitution and Rules

THE CHAIRMAN discussed at some length the draft constitution and rules, dealing with each section individually. Members joined in discussion, and various amendments were proposed and lost. MESSRS. CURRIE (Glasgow and West of Scotland Branch), D. H. S. COX (East Midlands Branch), A. N. STEPHENSON (Yorkshire Branch), and W. E. PHILLIPSON (Manchester Branch) put forward the views of their respective branches. Miss L. E. JACOB proposed, and Mr. D. H. S. COX seconded, an amendment to Rule 6, "That the honorary members should be not more than fifty." The proposal was carried. MR. H. A. ROBINSON proposed, and Miss E. HODGKINSON seconded, that Section (a) of Rule 17 should read "Election of ten scrutineers for the council election in the forthcoming year," and that Section (c) of the same rule should read "Election of two auditors for the forthcoming year." The proposal was carried. MR. D. CURRIE proposed, and MR. A. N. STEPHENSON seconded, that the draft constitution and

rules be approved, subject to the slight amendments passed as above, with the addendum: "It is the opinion of the special general meeting that the lack of provision for the district machinery is an important omission. It therefore instructs the council to examine this matter and bring forward to a future annual general meeting proposals for the amendment of the constitution so as to provide for such machinery." The resolution was carried unanimously.

## COMING EVENTS

### Sunday, January 30

MANCHESTER PHARMACEUTICAL ASSOCIATION. Ramble to Wilmslow, Prestbury, Alderley. Meet London Road Station, 10.30 a.m. Back to Alderley return. Carry lunch.

### Monday, January 31

EDGWARE DIVISION, NORTH LONDON PHARMACEUTICAL ASSOCIATION, Brill's restaurant, 206 Station Road, Edgware, at 7.30 p.m. Open meeting. Addresses by the following candidates at the Pharmaceutical Society Council election: Messrs. Armitage, Howard, Matthews, Phillips and Royal.

### Wednesday, February 2

DESIGN AND INDUSTRIES ASSOCIATION, Burlington House, Piccadilly, London, W.1, at 1.30 p.m. Mr. John Gloag on "The Selling Power of Good Industrial Design."

BRADFORD BRANCH, NATIONAL PHARMACEUTICAL UNION, Midland Hotel, Bradford, at 3 p.m. Mr. T. Heseltine (N.P.U. chairman) on "The N.P.U.: Its Work Today and its Plan for Tomorrow."

### Thursday, February 3

PRESTON BRANCH, NATIONAL PHARMACEUTICAL UNION, Bull and Royal Hotel, Church Street, Preston, at 3 p.m. Mr. Dobson on "The N.P.U.: Its Work Today and its Plan for Tomorrow."

NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Miss Caroline Haslett, C.B.E., on "The Role of Business and Professional Women in the Post-war World."

**Timber Dry-rot Warning.**—Attention is drawn to an increase of dry rot in the woodwork of houses is called in a memorandum from the Ministry of Health has issued to local authorities, and in which remedial and preventive measures are described.



## IRISH DRUG ASSOCIATION

The annual meeting of the Irish Drug Association was held in Dublin on January 17, Mr. F. X. Meagher (president) in the chair.

### Review of the Year

After welcoming provincial chemists present, THE PRESIDENT said the total up-and-up membership on December 31, 1943, was 685, against 642 a year earlier. Retirements and new members totalled 133. Each year a handful of members appeared to join to obtain a price list, to leave after a year until their list fell to pieces, and then ask to be reinstated. Practically every town and village now boasted an I.D.A. chemist, and a local association existed for nearly every member. The valuable voluntary work undertaken by the local associations was much appreciated by the committee. From reports and letters the committee had evidence that the maintenance of the normal pre-war gross rate of profit was becoming increasingly difficult. The drop was attributable to altered trading terms, withdrawal of buses and display parcels, and also to some of the "appallingly high" charges made by certain firms for drugs and sundries; 1,391 numbered and several hundreds of unnumbered changes had been sent to members during the year. There had been twenty-six committee meetings, approximately the same number of sub-committee meetings, meetings with Government officials, deputations to wholesalers and manufacturers, and meetings with the Irish Union of Distributive Workers and Clerks. For the first time in the history of the Association a strike had occurred in a Dublin house over the dismissal of a Union member for a breach of discipline, and no less than eight abortive conferences had been held with Union officials before a settlement was reached. The standard of living and price maintenance was unusually high, and fewer complaints than ever had had to be dealt with. The trade was probably the most highly organised in the country, though criticisms were occasionally heard that might suggest such was far from the case.

### Salutary Lesson from the War

He believed, if the existing efficiently-run and well-tried bodies were properly supported, chemists need have no fear that the trade would be unable to weather any altered conditions the post-war period

might bring. The shortage or complete disappearance of a large number of well-known lines had taught most chemists one salutary lesson. They now knew that there was no item so important that it could not be done without. The end of the war would present the Association with a golden opportunity to pursue a strong policy against certain manufacturers who could be more aptly described as "grocer's friend" than "chemist's friend."

Since the previous annual meeting, the committee had co-opted Mr. W. Hanley, Limerick. It had not been possible, owing to travel difficulties, for members of the committee to attend more conferences in provincial areas, but they had managed to attend one meeting in Limerick, where a number of valuable suggestions had been received. A difference had arisen during the year with the wholesale section, which had decided to charge carriage on returned empties; agreement had been reached after a meeting with them. The manner in which the wholesalers met the Association was appreciated by the committee, and he appealed to members to co-operate by returning empties as speedily as possible. The Association had co-operated with Kodak, Ltd., in endeavouring to obtain supplies of films and photographic materials from America. It was a matter of regret that the pressure brought by the committee on the authorities had not availed.

### Manufacturers and Employees

The approved list of manufacturers had continued to expand, and now included the names of 160 manufacturers and preparations. The newly-appointed distributor for one item on the approved list had broken the agreement made by his predecessor and had distributed to non-chemists; the matter had now been settled more or less satisfactorily. In the past few days the committee had entered into agreement with the chemists' section of the Irish Union of Distributive Workers and Clerks to make jointly with them an application to the Minister for a bonus of 5s. weekly for male employees and 4s. weekly for female employees. The offer was subject to agreement by the Union, and to amendment of the Bank Holiday arrangement so that, in future, employees working on a Bank Holiday would receive only a half-day off or a half-day's pay, instead of a full day off or a full day's pay.

## Report Adopted

MR. T. C. SCOTT, proposing adoption of the president's address, thanked Mr. Meagher for the way in which he had presided over their meetings during the previous two years. Particularly he wished to mention the great success Mr. Meagher had made of the Association's dinner by the manner in which he had occupied the chair. MR. M. J. O'ROURKE, seconding, complimented Mr. Meagher, one of their youngest presidents, on his topical address. MR. D. J. NUGENT associated himself with the motion, which was carried unanimously.

## Treasurer's Report

MR. G. A. McLEAN LEE (treasurer), presenting his report, stated the total income from all sources came to £1,445; expenditure was £1,170, leaving a profit of £275 to be carried to capital account. Assets stood at £2,351, from which £386 had to be deducted for liabilities, leaving capital at £1,965.

MR. G. C. O'NEILL, moving the adoption of the report, said all knew how careful Mr. McLean Lee was. MR. LYALL G. SMITH, seconding, pointed out that the excess of income over expenditure would have to go towards paying for the new price list until fresh subscriptions came in. The Association was only just paying for itself nicely. The report was unanimously adopted.

## Outgoing Committee Re-elected

Since there was no contest THE PRESIDENT declared the following outgoing members of the Committee re-elected: Messrs. M. J. O'Rourke, J. Duggan, J. K. Duggan, G. C. O'Neill, D. J. Murphy, T. R. Bourke, and D. Woulfe. Upon the re-election of Miss Anne Macnamara as Auditor, Mr. McLean Lee proposed a vote of thanks to her. THE PRESIDENT seconded that. He always found Miss Macnamara efficient and courteous. The motion was carried unanimously.

## Transport Difficulties in the Provinces

When general business was reached on the agenda, MR. M. MURPHY, Mitchelstown, co. Cork, said he had been informed by one large Dublin firm of wholesalers that orders to country members would be delayed until the suppliers got back the empties. The trouble, however, for chemists in his part of the country was that the railway company would not take back empties unless they got six cases at a time. If that went on many places in the country would be left short of drug supplies. THE PRESIDENT said the committee had had a telephone message from the wholesalers in question; the position was that it was impossible for the wholesalers to carry on if they did not speedily receive back empties of all kinds. The committee would adopt the suggestion put forward by Mr. Murphy and take the matter up with the railway company, to whom it would be pointed out that delay in the distribution of medical supplies to the provincial districts concerned might endanger the public health.

MR. O'ROURKE said there were two matters he would like to refer to. The first was planning a national pharmaceutical service, and the second the question of a living profit on patents and proprietaries. They must do something the way of planning a post-war national pharmaceutical service or it might be done for them by the State. The Government might be glad of plans for a national pharmaceutical service and they should work on such plans during the next twelve months. A reference in the trade Press might elicit views from country members. The present profit on patents and proprietaries was inadequate to meet the increased cost of living and overheads. Many chemists today had bigger turnovers but their net profits were down. Chemists were one of few groups who made no money during the war; any little extra they made was swallowed up in overheads.

## Profits on Proprietaries

ON THE PRESIDENT'S suggestion, the meeting first discussed Mr. O'Rourke's motion: "That the present gross profits on many patents and proprietaries is totally inadequate, especially in view of the present cost of living, and that the makers be requested to increase them to a living profit." MR. P. F. McGRATH commented that the profit on these lines had always been bad, but chemists were harder hit now, with increased costs of living and overheads. MR. McLEAN LEE thought the resolution might be improved by reference to the increase in working expenses. THE PRESIDENT heartily endorsed the point of view in the resolution. Recently the trade had promised to give an increase of 5s. a week to male workers and 4s. to female workers. That would bring the increases paid to these workers since relaxation of the standstill Order to 10s. for men and 8s. for women. Since pre-war days the wages of some men had been increased by 13s., 14s. and 15s., and those of women by about 13s. As Mr. O'Rourke had pointed out, all the increases had to be met out of profit. The price of prescriptions had already been pushed up as high as they could go. There was no other way to meet increased costs but through increased profits on proprietaries.

MR. NUGENT said that some time ago he put down a notice of motion that chemists should not stock any product that did not yield a profit of 33½ per cent., but it had been postponed. The president then said the committee would endeavour to bring about that scale of profit. MR. SMITH said it was the intention of the present committee to maintain the 33½ margin wherever possible. Few lines were accepted for the price list that did not bear the margin. MR. T. BATT, Sandymount, declared that in his district there were three pharmaceutical chemists, thirteen grocers and tobacco conists, and two greengrocers. Every one of these non-chemist traders sold chemist lines including liquid paraffin. The tobacco conists sold face cream, lipstick, and face powder. The largest of the grocers sold face cream, liquid paraffin, salts, and other preparations. THE PRESIDENT said it was the same in his own area. That was one of the black features of their business today.



MR. BATT: There isn't a brand of lipstick can be got in the tobacconists near me. These non-chemist traders are open after I am shut, and I lose a lot of business in that way. The president himself seconded Mr. O'Rourke's motion, which was carried unanimously.

### Time at a Time

MR. C. J. CREMEN (president, Pharmaceutical Society of Ireland) said that the profit on proprietary medicines was a particularly sore point with chemists, and he felt they should do something about it that night. Instead of tackling proprietaries generally, they should set themselves a limited objective, picking out a particular item and concentrating on that. It would be foolish to go out full blast for a profit on all lines. They should be able to win one item at a time and go by easy stages. One victory would bring in the others. They could firm on items that came within the Part I of the Poison Schedule, and the sale of which had to be confined to chemists, and compel the makers to give them a living profit. His second suggestion was that, in addition to having an approved list, it might be wise to have a "disapproved" or "non-approved" list of firms which acted contrary to the interests of chemists.

Mr. Meagher and his committee had done invaluable work for Irish chemists, and were it not for the existence of such a body, life would not be worth living for the chemist. He would like it to go from that meeting how much they related the genuine wholesalers and manufacturers who had so well looked after their interests. In paying tribute to these firms, he tried to segregate them from the few which might have taken advantage of the unfortunate conditions prevailing. (Applause.) MR. MEAGHER thanked Mr. Cremen for his valuable contribution; the suggestion to take up the matter on the Poisons Schedule was valuable, and would be carefully considered by the committee. In any action they might take, the Association would count upon the loyalty of 90 per cent. of its members, and that ninety could influence the other 10 per cent.

MR. BATT mentioned that a department store in Dublin was selling half-gall. bottles of cod-liver oil at 14s. each. THE PRESIDENT said, the committee had taken action in this matter and had tried to arrange for the wholesalers to take the oil from the firm in question, but the wholesalers were already well stocked and expecting further supplies.

### Non-approved List

MR. McGRATH urged that some action should be taken on the valuable suggestion put forward by Mr. Cremen to create a non-approved list of firms. MR. CREMEN said he had suggested the matter for consideration by the president and a special committee, who would decide whether it was advisable or not to put it into force. There might be difficulties in the way which he did not see, and for that reason he would leave the matter in the hands of the committee. MR. O'NEILL said Mr. Cremen had made a

valuable suggestion which would go well from that meeting. The committee could decide carefully about putting it into effect, but the meeting should give them the power to do so. On the proposition of MR. CREMEN, seconded by MR. O'NEILL, it was then agreed: "That the committee be requested to establish, if and when the necessity should arise, a non-approved list of manufacturers, wholesalers, and agents."

### National Pharmaceutical Service

MR. O'ROURKE, speaking to his motion that the I.D.A. should make recommendations for a national pharmaceutical service in the post-war period, asked if they were prepared to give such a service by private enterprise or allow the State to fix the terms. THE PRESIDENT considered the motion too wide in terms to be binding upon a committee. MR. McLEAN LEE thought the idea of a national pharmaceutical service one for the Pharmaceutical Society. MR. SCOTT said that both the Society and the I.D.A. committee were competent to deal with the matter when it arose, which would not be until the war was over. MR. McGRATH said he was opposed to any national pharmaceutical service in which the State would come in to tell them what to do. MR. O'ROURKE said he had proposed the motion to provoke discussion and get the views of members. He wanted them to be ready if anything came their way. The motion was then withdrawn.

MR. CREMEN, proposing a vote of thanks to the president, said no one who knew Mr. Meagher socially or in business failed to appreciate his fine qualities. MR. J. GLEESON seconded and the motion was carried with acclamation. THE PRESIDENT suitably returned thanks.

At the first committee meeting of the Association held following the annual meeting, Mr. Lyall G. Smith was unanimously elected *President* for the year, with Mr. G. C. O'Neill as *Vice-president*. Mr. G. A. McLean Lee was again unanimously re-elected *Treasurer*.

### C. & D. QUIZ NO. 20

1. What are Levant berries?
2. What is amber?
3. What is kamala?
4. What is blood root?
5. What is the derivation of the word "cascara"?
6. How is the word "buchu" pronounced?
7. What are the ingredients of pulv. cret. aromat.?
8. What is Rose's metal?
9. What is Bolognan phosphorus?
10. Why is chromium so called?

(Answers on p. 130)

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to war conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the C. & D., 17 Argyle Street, Bath, Somerset.

# CASCARA GROWING IN BRITISH COLUMBIA

by James Kerr

**W**ITHIN the last few decades, cascara sagrada has become increasingly used as a drug. The North American Indians on the Pacific Coast have long been aware of its valuable medicinal properties, and from them the knowledge was passed on to Spanish and Mexican priests well over a century ago. It was they who named the tree "cascara sagrada," from the Spanish, cascara—bark; and sagrada—holy or sacred, because the wood of the cascara was associated by them with that used in the construction of the Ark of the Covenant, called "Shittim" wood.

It was also believed that wood from the cascara tree had been used in the building of King Solomon's temple, as well as in making furniture for the tabernacle. In recent years, however, this has been proved incorrect, for the Shittim wood mentioned in the Old Testament was from the shittah tree, meaning in Hebrew, "the thorny," which is probably some species of the acacia tree, perhaps *Acacia Seyal*, which in Bible lands grows wild in the desert—the tree of the burning bush.

## Native of Pacific North-west

There are some species of buckthorn to be found in other countries, but cascara sagrada is native to the Pacific North-west, where it is found chiefly from Northern California to Northern British Columbia, the latter being the only part of the British Empire where it is indigenous. Its habitat is chiefly in the coastal regions where moisture is plentiful, and there it reaches its largest growth. Trees with a trunk diameter of two-and-a-half feet, and a height of fifty-five feet, have been reported, although mature stands generally carry trees ranging from six to thirteen inches in diameter, and twenty to twenty-five feet in height. The cascara is customarily in tree form, but is also found with bushlike growth, when it sends out many large branches near to the root. The beautiful tree flowers in June, putting forth clusters of small greenish flowers at the tips of its branches, resulting later in generous bunches of black berries, much favoured by birds, who act as seeding agents over a wide area. The trunk of the cascara tree is of a dark blackish-grey, with vertical markings. An incision made in the bark reveals an under-colour of bright yellow, which upon exposure to light and air changes to a dark brown tinge. The

bark is exceedingly bitter and leaves lingering taste in the mouth after chewing.

## Exploitation of the Tree

The recent steady increase in the price of the bark—now fixed in Canada by the War-time Prices and Trade Board at 24½ cents (one shilling) per pound, f.o.b. the collector's shipping point—and the short crop harvested in 1942, have led to much further exploitation of the cascara tree, which is often ruthlessly destroyed in order to obtain its bark. In large and small groups, and sometimes singly, people in the coastal regions make unremitting search for the largest specimens.

It is estimated by the British Columbia Forest Department that virgin stands of cascara in the Province, at the present rate of cutting, will be exhausted within another decade. Ninety per cent. of the original stands are reported to have been destroyed by stripping. Because of this, regulations have recently been enacted covering the cutting of the bark, which will aid conservation of young trees, and put an end to wasteful methods of collection. The peeling or cutting of trees less than four inches in diameter, and at six inches above the ground, is prohibited. These restrictions are bound to have a marked effect on the future supply of cascara for commercial use, not only will there be replenishment through natural seeding but, in the long run, more yield per tree will be obtained as a six-inch tree will produce three times as much bark as a three-inch tree. A cascara tree, twenty years old, will be about nine inches through the trunk.

## Methods of Collection

Every year collectors penetrate deep into the forests in search of virgin trees of larger growth, aided by new roads and trails, tapping regions hitherto untouched. As depletion of the old trees goes on, collectors of the bark have turned their attention to trees on logged-off lands, on far lands, and in hedgerows, where growth is much smaller, but is more plentiful and can be more easily reached.

It is computed that the average yield of bark per tree is 10 lb., so that, under wasteful methods of stripping, some two hundred trees would be destroyed for every ton of bark obtained. Ignorance of the appearance of the tree and the value of its bark result



many trees and bushes being cut down burned when land is cleared. The method of harvesting the bark in the past has been to circle the tree some inches above the ground, and again higher up the trunk; then to slit the bark with an axe or sharp knife between the circling cuts, and peel off in big sheets. The usual practice is to strip the tree in sections as high as can be reached, by which method little more than half the bark is collected and the rest is destroyed. As is generally known, the food of the tree, made in the leaves by the action of the sun, reaches the roots via the bark, so that when the outer layer of the bark is lacking, this food cannot reach the root, which becomes too impoverished to send up new shoots, and the tree dies. Every collector knows the stiff whiteness of dead cascara trees marking the places where this wasteful method of collection has been used.

### Investing

The best way to harvest the bark is to cut the tree down six to twelve inches from the ground, leaving the bark on the stump, so that the root will push out new sprouts. Though it may take considerable time for these shoots to produce bark suitable for commercial use, the branches will flower and bear berry in about three years after the cutting of the tree, and the berries scattered by birds will result in new trees in the vicinity. This method of cutting the tree down is also less wasteful, in that it produces more bark, because all of its limbs to a diameter of about one inch can be stripped. The thin bark obtained from the branches is the more valuable. From a collector's point of view the bark is at the best for investing when the tree is about twenty years old, so that it is wasteful and short-lived to strip trees before they have reached this stage. Under the new regulations, when granting permits to harvest cascara the Provincial Forestry Branch requires the above procedure to be carried out. The collecting season is from April to August, but, as the bark must be harvested in dry weather, harvesting is usually done during the sunny days of summer.

### Investing

If it is left too late in August, when the sap is returning to the root, the peeling process is more difficult to carry out. Bark weighing 20 lb., when stripped from the tree, weighs about 10 lb. after being dried. The drying process is generally done under

cover, as the bark must not be exposed to moisture or sunshine. Strung on wire or rope, it curls in pipe-like pieces, which must be broken smaller before packing into bales for shipment. It is generally furnished in sizes eight to ten inches long, and one or two inches wide. Dealers are very careful to see that no spurious bark is included in the lots they purchase, as harvesters not thoroughly familiar with the cascara may include bark from willow or dogwood trees. Before the bark can be manufactured into medicinal form, it must be aged, which takes from eight months to two years; the older the bark, the better the price it commands. Dealers judge the age of bark by its colour; when newly cured, it has a greenish shade just below the surface, while that which is well-aged is dark brown.

## N.W.F. AND DRUG TARIFF

TINCTURE of belladonna is again available for dispensing preparations in the second edition of the National War Formulary. In view of this, Provision 22 in Part I of the Drug Tariff has been amended to provide that, when a chemist uses the authorised alternative (liquid extract of belladonna), he must mark the prescription accordingly. By official notice in the "London Gazette," published January 21, 1944, the General Medical Council has extended the period during which the alternative formulas for ointments in the B.P. Addendum VI may be used until August 1, 1944. Until August 1, the pricing offices will price for the old B.P. ointments, and not for Addendum VI alternatives, unless the chemist states on the prescription that he has dispensed the ointment in the Sixth Addendum. Unless the prescriber expressly orders otherwise, chemists should dispense the following National War Formulary ointments as set out below: Ung. Calaminæ, N.W.F., Ung. Calaminæ Co., N.W.F., and Ung. Sulphanilamidi, N.W.F., made with Ung. Aquosum, B.P., Addendum VI; Ung. Hydrarg. Ammon. Dil., N.W.F., made with Ung. Hydrarg. Ammon., B.P. Addendum VI, and Ung. Aquosum, B.P. Addendum VI; Ung. Benzocain Co., B.P.C., made with Ung. Hamamelis, B.P. Addendum VI, and Ung. Zinci Oxidi, B.P. Addendum VI.

"Pharmacy as a Career" is the title of a ten-page pamphlet issued by the National Committee of Druggists and Chemists in New York.

## TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency.

28 Essex Street, W.C.2, January 26

CONDITIONS in the London drug and chemical markets during the past week may be described as fairly steady, but devoid of any feature of particular interest. Business in some items continues satisfactory, but in a number of instances trading is severely restricted by lack of supplies. In the PHARMACEUTICAL CHEMICALS section business is proceeding quietly. The only important price change is an advance in the prices of PYROGALLIC ACID.

### Crude Drugs

Dealers in these commodities report a steady demand from the home consuming trades, together with a few inquiries for export. Prices are not greatly changed, and the general tone is firm. It is understood that some business is being done in AGAR at the controlled price. No spot supplies of Cape ALOES are available at present. Stocks of BALSAM TOLU are exhausted. BENZOIN continues to sell slowly at unchanged rates. Some fresh supplies of BUCHU LEAVES may be expected shortly, but the quantities will not be large. ERGOT is quoted rather dearer in some quarters. Single-peeled Syrian LIQUORICE ROOT may be obtained on spot, subject to official approval of use. NUX VOMICA is in rather better demand, with a little more business passing. As noted last week, PIMENTO is slightly lower. RHUBARB is selling fairly well at recently-quoted prices. SASSAPARILLA continues to be available on spot, but only in limited compass. SEEDS are neglected. Details of official selling prices for varieties of TALC were given last week (p. 103). Fatty grey CARNAUBA WAX is in restricted supply.

### Henbane, Hamamelis and Krameria

The Directorate of Medical Supplies has informed the Botanical Drug Importers' Section of the London Chamber of Commerce of its intention to recommend import licences for limited quantities of Egyptian henbane, hamamelis leaf and krameria during the period ending December 31, and have asked the Section to arrange with the importers concerned for their importation. Firms which during the years 1937 to 1942 imported any of these drugs (arranged the shipment and paid the overseas supplier)

should notify the Section accordingly. Qualified importers will then be sent the necessary form of declaration on which to make a return of importations, and this will form the basis of recommendations to the Directorate.

### Essential Oils

Business has again been restricted in volume and confined to small quantities for immediate consumption. Prices, with the exception of that for English distilled NUTMEG, are unchanged. ANISE (STAR) continues in good demand, with prices of available lots reaching a high level. Limited supplies of CAJUPUT may be obtained on spot. English distillers' prices for Cloves are without change. EUCALYPTUS is steady. Chinese PEPPERMINT continues to command a high price for any available supplies.

### Pharmaceutical Chemicals

ALLOBARBITONE.—Makers' quotations steady at 60s. per lb.

AMPHETAMINE.—Quoted at the unchanged price of approximately 150s. per lb.

BORAX.—Makers quote as follows: B. granulated, £39 10s. per ton; crystal, £40 10s. powder, £41, packed in one-cwt. bags; carriage paid in Great Britain, in one-ton lots and upwards. Commercial quality, £8 per ton less.

BROMIDES.—POTASSIUM is quoted by makers at the following prices per lb., in lots of from 28 lb. (containers in brackets): 3s. 5½d. (1-lb.); 3s. 3¾d. (4-lb.); 3s. 2¾d. (7-lb.); 3s. 2¼d. (14-lb.); 3s. 1¾d. (28-lb.). SODIUM, ¾d. per lb. extra. AMMONIUM, 2¾d. per lb. extra; powder, ¾d. per lb. extra.

CITRATES.—Makers' quotations for POTASSIUM, B.P., are at the following prices per lb. (containers in brackets): 3s. 2½d. (1-lb.); 3s. (4-lb.); 3s. (7-lb.); 2s. 11¼d. (14-lb.); 2s. 1 (28-lb.). IRON AND AMMONIUM (SCALES), B.P., is at 3d. per lb. above, and SODIUM is at 1d. per lb. below, these prices.

CODEINE.—Makers' prices per oz. are as follows: ALKALOID.—½ oz., 48s. 3d.; 1 oz., 45s. 9d.; 2 oz., 44s. 3d.; 3 oz., 43s. 6d.; 4 oz., 43s. 3d. HYDROCHLORIDE.—½ oz., 42s.; 1 oz., 39s. 6d.; 2 oz., 38s.; 3 oz., 37s. 3d.; 4 oz., 37s. PHOSPHATE.—½ oz., 37s. 9d.; 1 oz., 35s. 3d.; 2 oz., 33s. 9d.; 3 oz., 33s.; 4 oz., 32s. 9d.

CREAM OF TARTAR.—Quoted by British manufacturers at 262s. per cwt., less 2½ per cent.

ETHERS (METHYLATED).—Makers' prices per lb., in Winchester quarts, are as follows: 0·735, 5¼d.; 0·735, 1s. 5¾d.; 0·730, 1s. 5¾d.; 0·725, 1s. 7¾d.; 0·725 (triply rectified), 2s. 0½d.



20, 1s. 8½d.; 0.717, 2s. 2½d.; 0.720, B.P. (for anaesthesia), 1s. 10d.

**IODINE PREPARATIONS.**—Prices per lb. for home market are as follows: **POTASSIUM IODIDE**, B.P.—112 lb., 9s.; 28 lb., 9s. 6d.; 7 lb., 10s.; 7 lb., 11s. 6d.; 4 lb., 12s.; smaller quantities, 12s. 6d. **SODIUM IODIDE**, B.P.—112 lb., 9s. 11d.; 14 lb., 10s. 5d.; 7 lb., 12s. 2d.; 7 lb., 12s. 10d.; smaller quantities, 13s. 8d. **IODOFORM**, B.P.—28 lb., 12s. 10d.; 14 lb., 12s. 4d.; 7 lb., 15s. 6d.; 4 lb., 16s. 4d.; smaller quantities, 17s. 2d. **IODOFORM CRYSTALS.**—per lb. above powder prices. **IODINE RESUBLIMED**, B.P.—112 lb., 10s. 4d.; 28 lb., 10s. 10d.; 14 lb., 11s. 4d.; 7 lb., 13s. 1d.; 7 lb., 13s. 9d.; smaller quantities, 14s. 6d. 10 lb.

**MANDELATES.**—Makers' quotations are unchanged. **SODIUM AND CALCIUM.**—4 oz., 8 oz., 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 19s. 6d.; 14 lb. (in 7-lb. packages), 16s. 9d.; 7 lb. (in 7-lb. packages), 15s. per lb., net. **MONIUM** (50 per cent. solution)—4 oz., 8 oz., 1 lb., 11s. 9d. per lb.; 4 lb., 10s. 9½d.; 7 lb., 10s. 10d.; 14 lb. (in 7-lb. packages), 8s. 11½d.; 7 lb. (in 7-lb. packages), 7s. 11d. per lb. net. Packages extra and returnable.

**MERCURY IODIDES.**—The following are makers' prices per lb.: **RED**, less than 7 lb., 8d.; not less than 7 lb., 20s. 2d.; not less than 14 lb., 19s. 8d. **GREEN**, less than 7 lb., 8d.; not less than 7 lb., 26s. 2d.; not less than 14 lb., 25s. 8d. **YELLOW**, less than 7 lb., 10d.; not less than 7 lb., 27s. 7d.; not less than 14 lb., 27s. 1d. net, carriage paid.

**PHENOLPHTHALEIN.**—Steady at makers' prices. Less than 7 lb., 4s. 6d. per lb.; 7 lb., 4s. 6d.; 14 lb., 4s. 4d.; 28 lb., 4s. 3d.; 1 cwt., 2d.

**PHENOLCARPINE.**—Quotations per oz. are as follows: **BASE**, 1 oz., 27s.; 4 oz., 21s. 3d.; 1 lb., 20s. 9d.; 25 oz., 20s. 3d.; **NITRATE**, 1 oz., 26s. 6d.; 4 oz., 18s.; 25 oz., 17s. 6d.

**POTASSIUM PERMANGANATE.**—B.P. quality is steady at the unchanged price of 1s. 10d. 10 lb.

**PROPYL GALLIC ACID.**—Owing to a further increase in the cost of raw material, prices per lb. have been advanced, as follows: **CRYSTALS.**—1 lb., 21s.; 56 lb., 21s. 6d.; 28 lb., 22s. 6d.; 14 lb., 24s.; 7 lb., 25s. 6d.; under 7 lb., 26s. 2½ per cent. **RESUBLIMED.**—1 cwt., 21s. 9d.; 56 lb., 24s. 3d.; 28 lb., 25s. 3d. (net); 14 lb., 26s. 9d.; 7 lb., 28s. 3d.; under 7 lb., 29s. 9d., less 2½ per cent. **GALLIC ACID.**—1 lb., 21s. 9d.; 56 lb., 24s. 3d.; 28 lb., 25s. 3d. (net); 14 lb., 26s. 9d.; 7 lb., 28s. 3d.; under 7 lb., 29s. 9d., less 2½ per cent. **TANNIC ACID** (levis ex ether, B.P.).—1 lb., 21s. 9d.; 56 lb., 24s. 3d.; 28 lb., 25s. 3d. (net); 14 lb., 26s. 9d.; 7 lb., 28s. 3d.; under 7 lb., 29s. 9d., less 2½ per cent.

**PHENYLPHANILAMIDE.**—Current prices range from 6d. to 12s. 6d. per lb., according to quantity.

**PERIPINEOL.**—B.P.C., 3s. 3d. to 4s. per lb., according to quantity, for medicinal use.

**PICNILLIN.**—Current rates per lb. are as follows: 5 cwt., 21s. per lb.; 1 cwt., 21s. 3d.; 1 lb., 21s. 6d.; less than 56 lb., 21s. 9d.

## Crude Drugs

**AGAR.**—Maximum controlled price for agar and similar specified substances is 30s. per lb.

**ALOES.**—No Cape is available on spot at present. Curaçao, spot, 480s. per cwt.

Production of aloes in the Netherlands West Indies during the quarter ended September 30, 1943, amounted to approximately 2,000 cases.

**ANTIMONY.**—Unchanged at £120 per ton, delivered, for English minimum 99 per cent. regulus; supplies are reserved for essential requirements; 70 per cent. crude for the home trade, £100 per ton, delivered.

**BALSAMS.**—*Peru* is quoted at 8s. 3d. per lb.; *Canada*, 10s. 6d. per lb.; spot supplies of *Tolu* appear to be exhausted; *Copaiba*, unobtainable.

**BENZOIN.**—Sumatra block continues to sell slowly at £25 per cwt., for pharmaceutical use. Free "almonds," £35.

**BUCHU.**—Spot stocks are not available, but small fresh supplies may be expected shortly.

**CAMPHOR.**—Chinese crude may be obtained in limited compass by approved buyers at 10s. per lb., and similar quantities of B.P. at 11s. 6d.

**CLOVES.**—Spot quotations for Zanzibar are steady at 1s. 5½d. per lb.; second-quality, to arrive, 10d. per lb., c.i.f., sellers.

**COCHINEAL.**—Blacks are available for medicinal use at 4s. 6d. per lb., spot.

**DRAGON'S BLOOD.**—Dull Zanzibar drop is offered on spot at £21 per cwt.; no other varieties are obtainable.

**ERGOT.**—Spot price is from 5s. 6d. to 6s. per lb., according to seller; shipment, 4s. 9d. per lb., c.i.f., buyers' licence.

**GUM ACACIA.**—Kordofan cleaned sorts, spot, 82s. 6d. per cwt.; bleached, shipment, 140s., c.i.f.; Talha, cleaned, 50s. per cwt., landed.

**KAMALA.**—Dealers quote about 1s. 9d. per lb. for material testing around 5 per cent.

**LIQUORICE ROOT.**—Russian root may be obtained by approved buyers for pharmaceutical purposes at 75s. per cwt.; cut Russian root, for non-pharmaceutical purposes, 96s. 6d. per cwt.; single-peeled Syrian is available at 110s. per cwt., subject to D.M.S. approval.

**MENTHOL.**—Some offers of natural are reported at 95s. per lb. As this is the maximum price that can be charged by a wholesaler under the Natural Menthol (Maximum Prices) Order, these goods are presumably not for re-sale.

**MERCURY.**—Official spot quotations range from £68 10s. to £69 15s. per flask, according to conditions and quantity, with higher rates for smaller lots and redistilled grades.

**MYRRH.**—Aden sorts are quoted on spot at £20 per cwt.

**NUTMEGS.**—West Indian, spot, wormy and broken, 1s. 5d. per lb.; sound unassorted, 1s. 8d.

**NUX VOMICA.**—Rather more demand has been experienced this week. Washed and garbled Cochin is available on spot at 40s. per cwt.; shipment 32s., c.i.f. Cocanada seeds, spot, 35s. per cwt.; shipment, 31s., c.i.f.

**ORANGE PEEL.**—Dealers would require 4s. 3d. per lb. for spot supplies of Spanish bitter quarters.

**PIMENTO.**—As noted last week, spot price is now 1s. 8d. per lb., sellers.

**QUILLAIA BARK.**—Crushed or cut bark, spot, 90s. per cwt.; natural, 70s.; afloat, 60s., c.i.f.

**RHUBARB.**—Rough-round is offered on spot at 8s. per lb.; flat, high-dried, rough-coat, 8s. 3d.; Shensi pickings may be had at 11s.

**SARSAPARILLA.**—Spot quotation for native red is steady at 4s. 3d. per lb., for limited supplies.

**SEEDS.**—All prices are unchanged, with business poor. **CORIANDER.**—Indian, 80s. per cwt. **CUMIN.**—Maltese, spot, 120s.; Indian, 110s. **DILL.**—167s. 6d., ex wharf Glasgow; 160s., ex wharf London. **FENNEL.**—Nominal at 87s. 6d. **FENUGREEK.**—May be had at 80s. **MUSTARD.**—Controlled prices are unchanged.

**SENNA.**—Quiet and without price change. Alexandrian medium pods are at 3s. 9d. to 4s. per lb.; Tinnevely, manufacturing grade, 6d. to 7½d.; hand-picked, 10d. to 1s. 6d.; broken Alexandrian leaves, 1s. 3d. to 1s. 4d.; siftings, 1s. 2d.; Tinnevely, No. 1, 9d. to 10½d.; No. 2, 7d. to 7½d.; No. 3, 5½d. to 6d.

**SQUILL.**—Spot quotations for Portuguese are steady at 80s. per cwt.; Indian, 72s. 6d.

**STRAMONIUM.**—Dealers quote at 95s. per cwt., ex store.

**STROPHANTHUS.**—Kombé 100 per cent. seed is offered on spot at 10s. to 10s. 6d. per lb., according to quantity.

**TALC.**—Details of selling prices of the various grades fixed by the Ministry of Supply were given last week (p. 103).

**TRAGACANTH.**—The principal medium grades are quoted as follows: No. 1, white, £130 per cwt.; No. 2, white, £115; No. 3, white, £100; No. 4, white, £85; pale leaf, £60; amber leaf, £50; dark amber, £40; brown leaf, £30; red-and-brown leaf, £25; red leaf, from £20; hoggy, from £12 to £15.

**TURMERIC.**—Little business passing; prices unchanged. Madras finger, sound-quality, spot, 50s. per cwt.; wormy, 47s. 6d.

**VALERIAN ROOT.**—Spot quotations for Indian root are steady at 100s. per cwt., ex store.

**WAXES.**—**BEES'.**—Supplies may be obtained only through members of the Association of Merchant Distributors of Beeswax; official prices are as follows: crude, 260s. to 290s. per cwt.; refined, 315s. to 355s.; bleached, 340s. to 370s.; Calcutta crude, 250s. to 270s.; Calcutta bleached, 325s. to 335s. **CARNAUBA.**—Fatty grey, 415s. per cwt., ex store, in minimum one-bag lots; Primeira, 535s. per cwt., ex store, with stocks scarce; medium yellow, 520s. per cwt.; **CANDELILLA.**—As noted last week (p. 103), prices have been reduced as follows: Under 1 ton, 235s. per cwt.; 1–5 tons, 232s. 6d.; 5 tons and over, 230s., ex store; forward shipment, 225s. per cwt., c.i.f.

## Essential and Expressed Oil

**ANISE (STAR).**—In good inquiry, but supplies are poor. Any available oil would fetch 10 and over per lb.

**BAY.**—Approximately 12s. 6d. per lb. would be wanted for any available spot supplies.

**BOIS DE ROSE.**—Spot, if available would worth around 47s. per lb.

**CAJUPUT.**—In limited compass on spot price, approximately 15s. per lb.

**CLOVE.**—No change in English distillers' price for genuine B.P. at 11s. 6d. to 12s. per according to quantity.

**COCONUT.**—Bulk supplies of refined deodorised are officially quoted at £49 per ton, refined hardened deodorised at £53, both naked ex works.

**COTTONSEED.**—Bulk supplies are officially priced as follows: Refined edible, £57 per ton; refined deodorised, £58 per ton; both naked ex works.

**CINNAMON.**—Approximately 15s. 6d. per would be required for any available spot supplies of leaf oil.

**EUCALYPTUS.**—Supplies are short; spot to 75 per cent., about 6s. to 6s. 3d. per lb.

**GERANIUM.**—Spot quotations for N African oil are steady at from 85s. to 90s. per according to quantity.

**GINGER.**—Approximately 90s. per lb. would be wanted for English-distilled oil.

**GROUNDNUT.**—Controlled prices for supplies are as follows: Refined deodorised, per ton; refined hardened deodorised, to £62; refined hardened deodorised, to 50° to £62; all naked ex works.

**LINSEED.**—Controlled price for bulk supplies is unchanged at £60 per ton, naked ex works.

**NUTMEG.**—Price of English distilled is slightly easier at 40s. per lb. (reductions for quantities).

**PEPPERMINT.**—In meagre supply. Any available spot lots of Chinese would bring in approximately 130s. per lb.

**PETITGRAIN.**—If available on spot, would be in the region of 25s. per lb.

**RAPESEED.**—Bulk supplies are priced at per ton, ex works.

**ROSEMARY.**—Spot, if available, would worth approximately 16s. per lb.

“**C. & D.**” Quiz No. 20.—The answers to questions given on p. 125 are: 1. *Coccolindicus*, from *Anamirta paniculata*. 2. Fossil resins of coniferous trees. 3. The glands hairs from the fruits of *Mallotus philippine*. 4. The rhizome of *Sanguinaria canadensis*. 5. Spanish for bark. 6. Bookoo. 7. *C. cardamom*, cinnamon, clove, nutmeg and star. 8. Fusible alloy containing bismuth, lead, tin, melting at 79° C. to 93° C. according to proportions of its constituents. 9. Imbarium sulphide, having the property phosphorescence in the dark. 10. Gk. *chromolour*, because of its coloured salts.



# MISCELLANEOUS INQUIRIES

**Linseed Products.**—*J. J. J.*—There are no restrictions governing the sale of linseed oil, whole linseed, linseed oil or boiled linseed oil.

**Yellowing of Santonin.**—*J. C.*—The yellow colour of the santonin is due to formation of chromosantonin following exposure to daylight; the change involves no appreciable loss of efficiency so far as is known.

**White Scour in Calves.**—*W. G.*—A suitable formula for a preparation for white scour in calves is as follows:—

Bismuth. salicyl. . . . . 1 oz.  
Emuls. paraff. liq. et kaolin.,  
B.P.C. . . . . 20 oz.  
which may be added either salol, 2 dr.,  
eucalyptol, 1 dr., or oil of eucalyptus, 2 dr.  
The dose would be 1 to 2 oz., two or three  
times daily. Brilliant green would not be  
suitable for a general mixture. A prepara-  
tion for hooose in calves would be:—

Æther . . . . . 6 oz.  
Oil. succini . . . . . 2 oz.

Aspoonful up each nostril and repeated,  
three or four times, with a two  
or three days' interval between each dose.

**Composition of a Powder.**—*M. W.*—The  
powder appears to us to be composed of a  
pressed bone or fish bone, together with  
organic matter and possibly some basic  
material. No attempt, however, has been made  
to identify the substance chemically or  
microscopically as under prevailing condi-  
tions we are unable to undertake such an  
analysis.

**Beetle Poisons.**—*S. H.*—The following are  
suitable formulas:—

I	
Barium carbonate . . . .	10 parts
Borax . . . . .	20 parts
Sugar . . . . .	5 parts
II	
Sodium fluoride . . . .	10 parts
Kaolin . . . . .	10 parts
III	
Red lead . . . . .	1 part
Sugar . . . . .	1 part
Flour . . . . .	1 part
IV	
Cocoa powder . . . . .	4 oz.
Borax . . . . .	8 oz.
Flour . . . . .	30 oz.
V	
Exsiccated calcium sulphate	5 parts
Flour . . . . .	1 part

There is no danger of accidental poison-  
ing from ferrous arsenate and copper aceto-  
arsenite are deadly beetle poisons, but their  
use must be carefully supervised.

**Luminous Paint.**—*W. N. A.*—The follow-  
ing formulas are representative of luminous  
paint bases used by mixing with a varnish  
or drying oil:—

I	
Strontium chloride . . . .	100
Sulphur . . . . .	30
Sodium carbonate . . . .	2
Sodium chloride . . . . .	0.5
Manganese chloride . . . .	0.2

Heat the mixture in a crucible to about  
1,300° C. for three-quarters of an hour.

II	
Strontium thiosulphate . .	60
Bismuth nitrate (0.5 per cent. solution in acidified alcohol) . . . . .	12
Uranium nitrate (0.5 per cent. solution in alcohol) .	6

Heat the mass for three-quarters of an  
hour at 1,300° C. This emits emerald-green  
light.

**Turkey Red Oil.**—*R. C.*—Turkey red oil  
is essentially a sulphonated castor oil,  
although, so far as we are aware, the com-  
position is not constant and invariable.  
One formula is:—

Castor oil . . . . .	93
Phthalic anhydride . . . .	15

React for eight hours at 140–150° C. in an  
open vessel, agitating constantly. Cool the  
product to 10° C. and sulphonate in the usual way  
with concentrated sulphuric acid, neutralising  
the sulphonated product with an alkali.

A formula on the following lines might  
serve as a basis for experiment:—

Turkey red oil . . . . .	100
Water . . . . .	100
Terpeneless Cologne oils . .	1

The product is a concentrated shampoo  
that may be applied to the scalp. After  
application the hair is rinsed with warm  
water. The essential property of turkey red  
oil is that it is an emulsifier, and many  
solidified brilliantines do not require an  
emulsifying agent in their preparation.  
However, in a preparation such as the one  
formulated below, the emulsifier is required,  
and we see no reason why turkey red oil  
should not be used, at least experimentally.  
When the product begins to solidify the  
addition of the emulsifier should be stopped,  
as otherwise the product becomes too hard.  
The resultant preparation is transparent.

Cocoa butter . . . . .	100
Liquid paraffin . . . . .	850
Wool wax . . . . .	50

Melt with the aid of gentle heat and slowly  
add, with agitation, the emulsifier in sufficient  
quantity.

## TRADE MARKS

(From "The Trade Marks Journal,"

December 29, 1943)

"ANTIMOSAN"; for all goods (5). By Bayer Products, Ltd., 14 Waterloo Place, Pall Mall, London, S.W.1. 625,530 (Associated).

### APPLICATION AMENDMENT

According to "The Trade Marks Journal," December 29, 1943, specification No. 624,200 by Therapeutic Research Corporation of Great Britain, Ltd., has been altered so as to read "Pharmaceutical preparations and substances for human use and for veterinary use."

(From "The Trade Marks Journal,"

January 5)

"DAN"; for cleaning preparations, etc., and for soap (3). By Duke Pharmaceutical Co., Ltd., 81 Dale Street, Liverpool. 625,131.

"YOGHI"; for non-medicated toilet preparations, etc. (3). By Valdor Laboratories, Ltd., 12 Diana Place, Euston Road, London, N.W.1. 625,216.

"DELTON"; for non-medicated toilet preparations, etc. (3), and for all goods (5). By Koray, Ltd., 56 Gamage Buildings, Holborn, London, E.C.1. B625,341-42 (Associated).

"EKTOS"; for non-medicated toilet preparations (3). By Emergency Products, Ltd., 356-60 Oxford Street, London, W.1. 625,839.

"TRIGEST"; for all goods (5). By Trinity Laboratories, Ltd., Brook House, Old Mill Street, Blackburn. 624,008.

"BEETSTROYD"; for preparations for exterminating beetles, etc. (5). By Germstroyd Products, Ltd., Anchor Works, Asfordby Street, Leicester. B624,690 (Associated).

"MASSOGENE"; for preparations for rheumatism and similar ailments, excluding medicated cotton wool (5). By Massogene Products, Ltd., 21 Beak Street, London, W.1. 625,366.

"BLEX"; for insecticides, and for weed and vermin killers (5). By Chilva Laboratories, Ltd., Russell Chambers, Merrion Street, Leeds 2. B625,476.

"CELOMIDE"; for weed killers and vermin destroyers (5). By Cellon Laboratories, Ltd., 380 Richmond Road, Kingston-on-Thames. 625,669 (Associated).

"COSMEDIN"; for pharmaceutical preparations (5). By D.D.D. Co., Ltd., 3 Fleet Lane, London, E.C.4. 625,673.

(From "The Trade Marks Journal,"

January 12)

"HERCO" on diamond shape; for non-medicated toilet preparations containing olive oil (3). By S. Herczog, 182 Chalmers Street, Sydney, New South Wales, Australia. 618,364.

"J & J"; for toilet cream (3). By Johnson & Johnson (Great Britain), Ltd., 603-04 Bath Road, Slough, Bucks. B619,628 (Associated).

"MELIO"; for non-medicated toilet preparations, etc. (3). By Koray, Ltd., 56 Gamage Building, Holborn, London, E.C.1. 624,837 (Associated).

## CORRESPONDENCE

Correspondents may adopt an assumed name but must in all cases furnish their real name and address to the Editor

### Pharmacists in H.M. Forces

SIR,—May I appeal to pharmacists serving in H.M. Forces to write to me in instances where

(a) they are carrying out pharmaceutical duties under the control and direction of an unqualified superior officer;

(b) where they are employed on (non-combatant) duties of a non-pharmaceutical character when pharmaceutical duties are being carried out by unqualified personnel;

and any other anomalies which justify redress, or which will help the case. The Corps is presenting on behalf of pharmacists serving in any of H.M. Forces. May I ask for full details, please. I would be glad if pharmacists would write to me at my business address (5 Queens Parade, London, N.10), and in doing so let me know whether they will permit their reports being forwarded or used as we may think fit.

Yours faithfully,

London.

L. HAYWARD,

Commandant, Pharmaceutical Corps

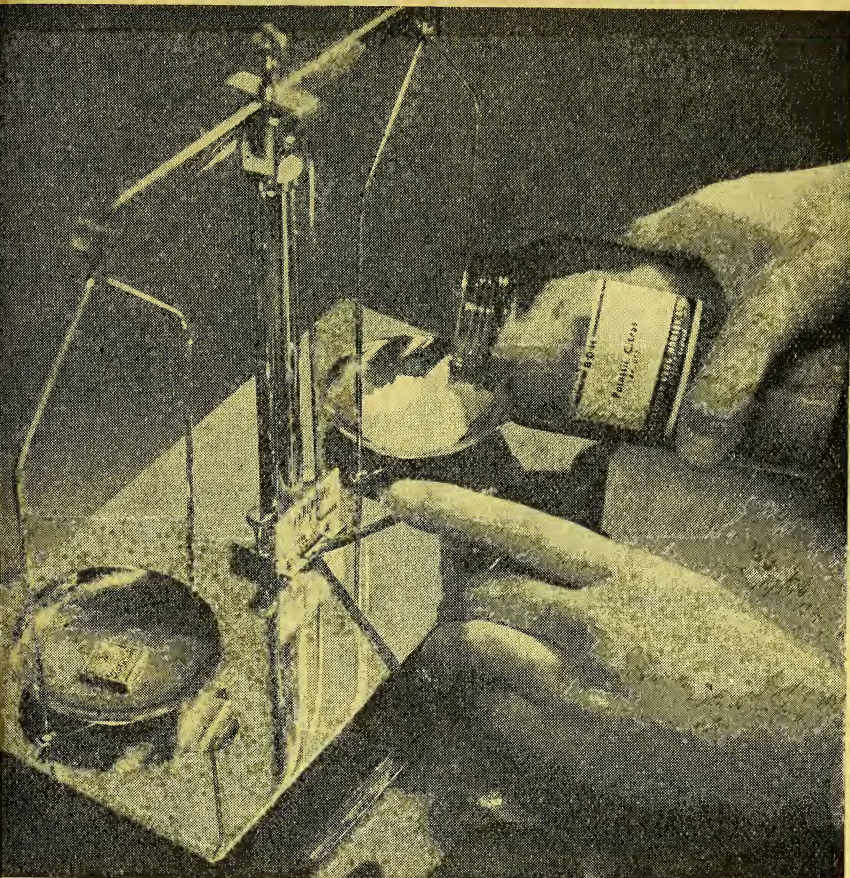
### Honours for Apprentices

SIR,—Permit me as a former company shop manager to extend sincere congratulations to M.P.S. (C. & D., January p. 78) upon his very considerable success in training apprentices. Your correspondence would appear to be that type of apprentice master who puts first things first and ensures that a lad is a student before he is a salesman. In this he is wise, as the most scientifically educated modern public expects the pharmacist salesman to be a student. The company whose "list of winners" was published is, of course, in a position of advantage, as it has, I believe, a complete theoretical system of training which must be of great assistance to managers. Can we assume then from the publication of these two lists, so widely contrasting in origin, that a boy can, given a solid grounding in pharmaceutical subjects with apparently restricted time and means and apparatus? I think we can. Let us not forget that the "chemist's back shop" was the laboratory of the nineteenth century and still holds possibilities for observant youth.

Yours faithfully,

M.P.S. SECUNDUS





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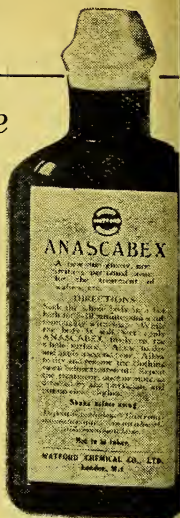
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**EXTRA** nourishment  
for every worker  
**AND UNRATIONED**

# JENNER'S

SWEETENED  
**malted food**



Prepared in specially assimilable form and available in adequate supply, Jenner's offers a fine-malted and sweetened food proved invaluable for over 50 years for tired workers, invalid digestions, old people, nursing mothers and infants.

Retail	Trade
1/6 small size	14/4 dozen
2/8 large size	25/6 ..

MALT or MILK CHOCOLATE FLAVOUR

# JENNER'S

MALTED  
*Soyacream*  
SWEETENED

Self-sweetened, easily prepared; a malted tonic food produced from the soya bean — nature's most nutritious food. Concentrates in a cup practically every essential nourishment. Economical in use.

Retail	Trade
2/- per ½ lb. tin	18/- dozen

**100% NUTRITIOUS**

Full supplies and quick turnover assured;  
prompt deliveries.

Sole Distributors:

**SPLENDOR LTD.**, 5 BEASTMARKET HILL, NOTTINGHAM  
& 7c LOWER BELGRAVE STREET, LONDON, S.W.1



# ZAC - ZINC & CASTOR OIL CREAM PATA

In a Special Soothing Base—  
IDEAL for

**CHILBLAINS** (Broken and

Unbroken), Chafes, Babies, etc.

Attractive 2 oz. and 4 oz. Pots.

Retail: 1/3 and 2/- inc. tax.

Cost: 8/- and 12/6 dozen + 16 2/3% P.T.

Bonus: 13 to dozen assorted gross lot

**HOUGH, HOSEASON & CO. LTD.**  
*Manufacturing Chemists*  
**PENDLETON, MANCHESTER.**

# IMPORTANT NOTICE

re

# PARMINT COUGH SYRUP

On its new improved formula the ready-mixed Parmint Syrup needs a dosage for adults of only 1-2 teaspoons.

The bottle therefore gives nearly twice as good value as before.

All our Press advertisements now mention the retail price of both the ready-mixed Parmint Syrup (1/5) and the good old Parmint Concentrated Essences (3/1 1/2).

Make sure you have a stock of both.



and

**PATA**

**INTERNATIONAL LABORATORIES, LTD.**  
**CHARLBURY, OXFORD**



Providing YOU  
with...



"Food for Thought" is the latest 'BiSoDoL' sound-film—a worthy successor to "There by—!" in the opinion of those who should know. It is effective yet restrained advertising for a semi-ethical product sold by chemists only.

From January to October, "Food for Thought" will be seen by 5-5½ MILLION people in over 600 Odeon and G.-B. cinemas throughout Gt. Britain. The film will be shown, in most cases, twice or thrice daily, for 6 days at each cinema.

★ Providing YOU  
with...

... effective LOCAL advertising support for 'BiSoDoL' which will increase YOUR sales of the product—the more so, if you will co-operate with us by making 'tie up' displays. 'BiSoDoL' is an effective and reliable antacid-digestant which can be recommended with complete confidence—and, in addition, shows you a good profit margin.

★ Will YOU  
provide...

... displays of 'BiSoDoL' to link up with your LOCAL film-showings? Ask our representatives for display material (if you have insufficient on hand) and for details of when and where the film is being shown in your district.

**BiSoDoL**  
(REGD.)

Sole Distributors:

KOLYNOS (Sales) LTD.,  
12, CHENIES ST., LONDON, W.C.1.

from the film  
"Food for Thought"  
which demonstrates  
the need for  
DoL in modern



~~2½<sup>d</sup>~~ WITHDRAWN

# EX-LAX

NOW AVAILABLE  
IN TWO SIZES!

7<sup>d</sup> AND  
1/5<sup>d</sup>

INCLUDING TAX

The Original  
CHOCOLATE LAXATIVE

*Backed by 36 years experience*



P.A.T.A.

EX-LAX LTD., SLOUGH, BUCKS

The 7<sup>d</sup>  
**PRUNOL**  
*sells on sight*  
KEEP IT TO THE FRONT

Prunol continues to increase in public favour. It is in constant demand for children and adults. Supplies are still available for prompt delivery from all wholesale houses.

Prunol sells at 7d. & 1/5 (including tax)

PRUNOL PROPRIETARIES LTD.

Sales Dept.

Northington House  
NORTHINGTON ST., LONDON,  
W.C.1



**Prunol**  
PASTILLES  
THE IDEAL FRUIT LAXATIVE

• • MANOIDS •  
• NEVROIDS •  
**URICURE TABLETS**  
**OCCASIONAL PILLS**

THE ACTON PILL & TABLET Co. Ltd.  
ASH VALE, SURREY.  
and all Sundries Houses.

**NALDEK OINTMENT FOR PILES**  
ANTISEPTIC : EMOLLIENT : ASTRINGENT

An efficient remedy for the speedy relief of Piles (Formerly known as Dr. Van Vleck's Pile Plaster). Stocks now available to the Trade, and all orders will be executed by return.

NALDEK OINTMENT is packed in one size only  
Retail Price, including tax : 4/-.

TERMS : NALDEK OINTMENT 32/- per dozen  
Purchase Tax 5/4d.

Advertising now appearing in National and Provincial Press.

If you wish to have your name included in our local advertising as a stockist write to :—

**DR. VAN VLECK COMPANY LTD.,**  
3 Fleet Lane, London, E.C.4.



# 10% DISCOUNT OFFERED ON A £2 PARCEL OF PINEOLEUM Brand INHALANT

The Inhalant to curb a cold and ease distress.

The above sent Carriage Paid Home—short term offer direct from the agents against *pro forma* invoice.

		Pre Tax.	Suggested Retail Price
<b>Pineoleum Brand Nebulizer Outfit. (Plain and with Ephedrine).</b>			
Outfit, complete with inhalant in carton	45/- per dozen	5/-	5/7½
<b>Pineoleum Brand Inhalant. (Plain and with Ephedrine).</b>			
100 c.c. bottle in carton	45/- per dozen	5/-	5/7½
15 c.c. bottle with dropper	13/6 " "	1/6	1/8½
(Packed in ½ doz. Display Boxes)			
<b>Pineoleum Brand Ephedrine Jelly.</b>			
Collapsible tubes with applicator	11/3 " "	1/3	1/5
(Packed in ½ doz. Display Boxes)			



Apply direct to the sole distributors in Great Britain and Northern Ireland:

**THE CHESEBROUGH MANUFACTURING CO. LTD., Victoria Rd., Willesden, N.W.10**

## THE FORMULA OF NEODEX SELTZER

Neodex Seltzer is no hastily contrived product put out to catch a market left vacant by imported lines.

Ever since 1936 we have been experimenting to produce an even better formula than has hitherto been available. This is the result—

Lithii Benzoides	3
Acidum Acetyl Salicylicum	10
Acidum Citricum	34
Sodi Bicarbonas	to 100

Every pharmacist will appreciate how confidently he can recommend Neodex Seltzer for Headaches, Digestive troubles and many types of Rheumatic and Neuralgic Pains.

Neodex Seltzer is stable, and produces an effervescent solution which is pleasant tasting, clear and practically without sediment. It is packed in powder form because the war has rendered unavailable the proper excipients for its production in tablet form. We will not use unsatisfactory substitutes.

So confident are we of Neodex Seltzer that if any customer should ever express dissatisfaction, we would ask the chemist to refund the full purchase price without question. Upon receipt of a card we will immediately reimburse the chemist plus postage.

International Laboratories, Ltd. - - - Charlbury, Oxford



## NEODEX SELTZER

A permanent line  
and steadily advertised





**2 lines which DEMAND your ATTENTION!**

**EMBEX** PAIN RELIEVING TABLETS

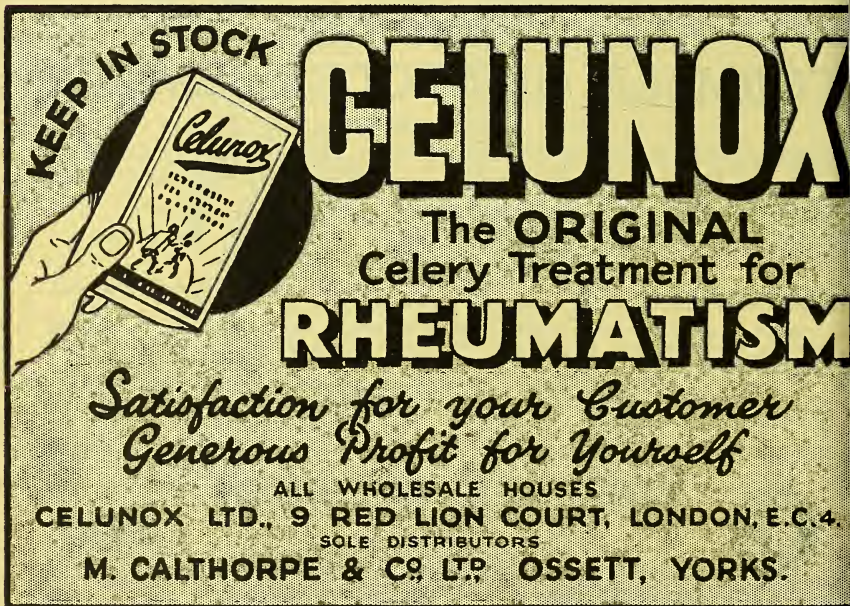
**EMBEXOLENE** OINTMENT

Promotes Healing

FOR CHILBLAINS, CUTS, WOUNDS, BURNS, ABRASIONS, PIMPLES

TWO POPULAR LINES. EMBEX tablets—the recognised treatment for colds, flu, nerve pains, etc. The merits of EMBEX have been widely publicised in the National Dailies, and in the Local and Weekly publications. EMBEXOLENE Ointment—the emollient that cures while it soothes. We regret that at the moment we are unable to give you a supply of Embexolene, but if you will send us an enquiry we will be pleased to put your name on the attention list.

C. J. TAYLORS EMBEX LTD., CARLISLE



**KEEP IN STOCK**

**CELUNOX**

The ORIGINAL  
Celery Treatment for  
**RHEUMATISM**

*Satisfaction for your Customer  
Generous Profit for Yourself*

ALL WHOLESALE HOUSES  
CELUNOX LTD., 9 RED LION COURT, LONDON, E.C.4.  
SOLE DISTRIBUTORS  
M. CALTHORPE & CO. LTD., OSSETT, YORKS.



# there's plenty

The Ministry of Food's official issue of cod liver oil wisely ensures priority supplies for children under five and for mothers. But older children and adults also need cod liver oil because of its great value in maintaining healthy resistance to infection and epidemics.

SevenSeaS pure cod liver oil is now in good supply and there is no need for its use to be restricted to mothers and young children.

Therefore we appeal to the Medical, Nursing and Pharmaceutical professions to help in informing the public of this satisfactory state of affairs. The normal professional and commercial services of the country are in a position to cater for those whose needs are as yet outside the scope of official activities.

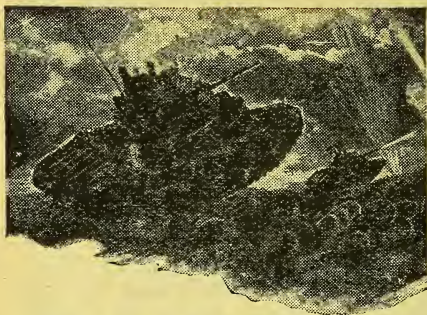
For our part, we are devoting our restricted advertising space to this purpose. Our advertisements explain the particular importance of cod liver oil in wartime ; its value to growth in children and the maintenance of reserves of nervous-strength in adults. They emphasize the good supply position and urge the taking of SevenSeaS as a daily ration supplement to make good the present lack of fats.

*Issued by*

BRITISH COD LIVER OIL PRODUCERS (HULL) LTD  
ST. ANDREW'S DOCK, HULL.

*Makers of*

# SevenSeaS



## Armoured . . .



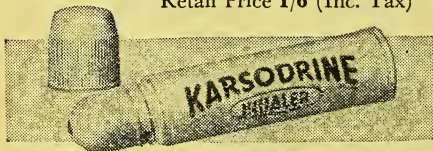
The Battalions of to-day fight behind defensive armour. The armoured car has replaced the cavalry horse and infantry advance under the protection of massed tank formations.

Medical research, too, has provided defensive armour for the medical profession. The prevention of disease by protective measures against the invisible but numberless and ubiquitous foe—the disease germs—is

increasingly lowering the general morbidity and mortality.

Decongestion of the turgid nasal mucosa in acute and chronic rhinitis, hay-fever, and sinusitis is rapidly effected by use of the Karsodrine Inhaler. Maximal shrinkage with corresponding symptomatic relief is obtained within five minutes. The powerful volatile vaso-constrictor in the Inhaler penetrates to the uttermost recesses of the nasal cavity and sinuses, securing optimal drainage and aeration. With only one cap to remove, the Karsodrine Inhaler is pre-eminently simple to use.

Retail Price 1/6 (Inc. Tax)



**FORMULA:** Amphetamine, 0.330 grm.; Cineole, 0.093 grm.; Ol. Citronell, 0.026 grm.; Methyl Salicyl, 0.023 grm.; Ol. Cedri, 0.005 grm.; Menth. 0.049 grm.; Ol. Eucalypt, 0.089 grm.

Apart from its assured efficacy the Karsodrine Inhaler is an excellent financial proposition. The Retail Price is 1/6d. (inc. tax) which yields 5/2½d. per dozen profit. This applies equally to small quantities if ordered with other "Griffiths Hughes" products.

E. GRIFFITHS HUGHES  
LIMITED

ADELPHI, SALFORD 3  
MANCHESTER

A PRODUCT OF E. G. LABORATORIES



# "ZEMS"

## HERBAL LICORICE TABLETS

THE BEST MEDICATED TABLETS  
FOR COUGHS, COLDS  
ASTHMA, BRONCHITIS, ETC.

Supplies may be obtained from C.F.  
Wholesale Houses

ZEMS, LTD.

718-724 Seven Sisters Road, London, N.1

# SAMONA

75% OF YOUR  
CUSTOMERS  
NEED

## SAMONA

The well known Restorative

This wonderful Medical Restorative BRINGS IMMEDIATE RELIEF IN ALL CASES OF NERVE STRAIN, DEPRESSION, TIRED and LISTLESS APPEARANCE, MENTAL and PHYSICAL EXHAUSTION.



SAMONA LTD., Northington  
House, Northington Street,  
LONDON, W.C.1

PRICES (including purchase tax)  
3/5 and 5/7½  
(more than double quantity)



**ROTARY DIE PROCESS CAPSULES ARE ALWAYS**

*Accurate to  
One Milligram*

Chemists and physicians swear by ROTARY DIE PROCESS GELATIN CAPSULES, because they never vary in dosage. Precision manufacture makes possible an unconditional guarantee to this effect.

After the war is won you will find a wide range of medicines, unguents and cosmetics enclosed in ROTARY DIE PROCESS Capsules, Tubes and other Enclosures—the handier, modern method of medication.

**GELATIN PRODUCTS *Ltd***  
SLOUGH, BUCKS • TELEPHONE: 21241-2 • TELEGRAMS: GELPRODS, SLOUGH

**EEZIT** **SELLS WELL**

*Because* IT IS A GOOD FORMULA  
WELL ADVERTISED

*For 30 Years the People's Remedy for*  
**HEADACHE, COLDS,  
CHILLS & INFLUENZA**



Trade Enquiries Invited

**ARTHUR NEWSOME, (Eezit Morley Ltd.) MORLEY, Yorks.**

# Increase in Prices of Ovaltine

ON and from January 29th, 1944  
the prices of Ovaltine will be as  
follows:—

	Retail Prices	Trade Prices
Small Size	1/4d. each	12/10d. per doz.
Medium Size	2/4d. „	22/7d. „ „
Large Size	4/- „	38/9d. „ „

On the **PATA**

*These increased prices have been  
made in conformity with the provi-  
sions of the **Prices of Goods Act**.*

'Ovaltine' is a scientifically prepared food based on the most modern scientific principles. It provides, in a concentrated and readily assimilable form, important nutritive elements required for reinforcing strength and vitality, and for building up body, brain and nerves.

The outstanding health-giving and restorative properties of 'Ovaltine' are demonstrated by the fact that it is widely used by Hospitals, the Red Cross and the fighting services.

A. WANDER LTD.,  
184 Queen's Gate, London, S.W.7  
*Factory, Laboratories and Farms*  
King's Langley, Herts.





# The CHEMIST AND DRUGGIST

## SUPPLEMENT

This Supplement is included in every copy of The Chemist & Druggist

JANUARY 29  
1944

28 ESSEX STREET, LONDON, W.C.2

Advertisement Advertisements must be prepaid and should reach us not later than FIRST POST WEDNESDAY of issue. Box Office numbers 1/- extra. Late advertisements will be held over to following week.

## Council Election 1944

**MAWER**

**MELHUISH**

**PARRY**

**WELLS**

**YOUNG**

The five retiring Members have been actively engaged in planning the Pharmaceutical development of the future. For example:—

1. **Demobilised Pharmacists.** Refresher courses and complete reinstatement.
2. **Beveridge.** Development of professional opportunities and measures designed to prevent exploitation of pharmacists and the public by financial interests.
3. **Proprietary Medicines.** Extended control of manufacture, advertising and distribution.
4. **The Society.** Closer co-operation under the aegis of the Society between pharmacists, whether employers, employees, hospital, wholesale or manufacturing.

**Men with expert knowledge and long experience are essential to carry out this work.**

**PROTECT YOUR INTERESTS.**

### OPTICAL TUITION

FOR THE

M.C., B.O.A., and N.A.O. DIPLOMA Examinations

tionaries:—  
**A. SCURR, F.S.M.C., F.B.O.A., F.N.A.O.,  
F.I.O., F.C.O., M.P.S.  
HIGH STREET, BARNET, LONDON, N.**

### PARTNERSHIPS

Y, unqualified (34), seeks Partnership with Pharmacist, preferably outskirts of London or Essex Valley district. 556/773, London Office of paper.

### APPOINTMENTS

#### LONDON COUNTY COUNCIL

Staff required at Claybury Hospital (for Nervous and Mental Disorders), Woodford Bridge, Essex. Assistant Pharmacist (full time) (men or women) must possess Pharmaceutical Society's qualification. Salary £250 rising to £300 a year plus cost of living addition. Married women eligible. Assistant Dispenser (unregistered), whole time (man or woman), rate of pay £4 4s. a week plus cost of living addition. Married women eligible. Application forms from Medical Superintendent.

### EXPORT TRADE

SSRS. DINKER & CO., 88 Vithalbhaj Patel Road, Bombay, 4, General merchants and s, invite connexions from competitive manufacturers and reliable exporters handling chemicals, colours and allied articles for chemical trade.

#### SURREY COUNTY COUNCIL

PHARMACIST at Epsom County Hospital, Dorking Road, Epsom. Candidates must be M.P.S. or Ph.C. Comm. sal. acc. to exp. on grade £275 x £10—£325 p.a. plus war bonus 14s. p.w. Apply to Medical Superintendent.

## SITUATIONS OPEN

7/6 for 40 words or less, 2d. for every additional word.

### Employment of Women (Control of Engagements Order 1942)

With certain exceptions, women over 18 and under 41 years of age seeking Employment and Employers seeking to engage such women are now required to do so only through the local office of the Ministry of Labour and National Service or an approved employment agency.

### RETAIL (HOME)

**ASSISTANT** required for City business, part or full time. Hay's City Drug Co., Ltd., 66 Old Broad Street, London, E.C.2.

**COVENTRY (SUBURBS).** Assistant experienced wanted for Dispensing, etc., either sex, permanency; good salary, congenial post, all details in first letter. 556/755, London Office of this Paper.

**G. PECK & SON, LTD.,** 18 St. Andrew's Street, Cambridge, require a qualified Assistant to take charge of good-class private dispensing. State salary required and further particulars.

**HEPPELLS (1932), LTD.,** require Manager for high-class West End Pharmacy, also Lady Dispenser. Apply to Superintendent, 70 Vauxhall Bridge Road, S.W.1.

**LONDON CO-OPERATIVE CHEMISTS, LTD.,** invite applications from Qualified Pharmacists for progressive positions with post-war prospects in the London Suburban areas. Applications stating full details and experience should be submitted to Chief Pharmacist, 54 Maryland Street, Stratford, London, E.15.

**NORTH DEVON.** Qualified lady or gentleman (exempt) to help in high-class old-established Pharmacy. Dispensing and counter. Comfortable position. Lady assistant kept. No holiday duties. State full particulars in first letter. H. Trembath, M.P.S., High Street, Barnstaple, N. Devon.

**ORRIDGE & CO.** Employment Agency, Columbia House, Aldwych, W.C.2, invite inquiries from pharmacists and unqualified persons requiring situations, except women between the ages of 18 and 41. Progressive vacancies available. Excellent opportunities exist for Unqualified Assistants.

**QUALIFIED Pharmacist** (male or female) required for Retail Dispensing Department. Must be exempt military service. Apply with full particulars to Chas. F. Thackray, Ltd., Park Street, Leeds.

**QUALIFIED Assistant** (exempt) required for duration. Hours 9-7, also Sunday morning. State wages and experience. Charles Smith, 3 Mostyn Street, Llandudno.

**QUALIFIED,** exempt military service, wanted for high-class Pharmacy. No N.H.I. Congenial post. Salary offered £10 weekly. Write to Norman Fowler, Ltd., 34 Trinity Street, Cambridge.

**TAYLORS BRITISH CHEMISTS** have vacancies for qualified Managers and Assistants, male or female, in the Midlands, North of England and Scotland. Apply Retail Staff Dept., Burley Hill, Leeds, 4.

**WANTED,** well-recommended Manager, exempt, for permanency in pleasant East Anglian town. Comfortable with no Sunday or holiday duty. £9 9s. Apply with references to 556/765, London Office of this Paper.

**UNQUALIFIED Assistant** required, male, general Retail and Dispensing. Write, giving full particulars. Eden, 83 Clowes Street, West Gorton, Manchester, 12.

### LOCUMS WANTED

**NORTH-EAST OF ENGLAND.** Qualified locum required for second and third weeks in August to start and finish on Tuesday or Wednesday if possible. Would consider any two weeks in August with a Monday start if other times unsuitable. Tammar, M.P.S., 74 Edgware Way, Edgware.

## WHOLESALE

**AGENTS** and Travellers required in all areas to two excellent lines, which sell on sight with effort. Good commission and travelling expenses offered to live men with good connexions. Cleme Ltd., 57-8 Wells Street, Oxford Street, London, W.1.

**AMPOULE Department.** Permanent position capable man or woman to take charge of chief chemist; exempt, for essential work Metropolitan area; full details of experience and salary pected. 554/693, London Office of this Paper.

**ANALYTICAL Chemist** required by London Manufacturing Chemists. Qualified or unqualified but practical experience of general routine analysis of Drugs and Galenicals, Alkaloidal Ass. essential. Some experience of Bacteriological examination desirable. Also a Junior Assistant above. Apply giving full particulars of experience and salary required. 555/725, London Office of this Paper.

**ASSISTANT** with Tablet and General Laboratory experience required by South England Manufacturing Chemists. Capable of taking charge of controlling female labour. Liberal salary and permanent position to energetic man. Apply with particulars and when free. W.M., 556/772, London Office of this Paper.

**CHEMISTS** for Analytical Laboratory and D.I. supervision wanted by old-established South London Wholesale Druggists. Full particulars experience to CDB/247, London Office of this Paper.

**EAST London Wholesale Druggists' Sundries** requires capable person to take complete charge of old-established business for the duration of war. Write stating particulars of experience, etc. 556/772, London Office of this Paper.

**EXPERIENCED Forewoman** wanted for Packing Goods Department of Manufacturing Chemist. Apply C. R. Harker, Stag & Morgan, Ltd., Emu Street, Mile End, E.1.

**FOREWOMAN** required for Packing Room. Works of Manufacturing Chemists in South London area. Write giving full details of qualifications, age, experience and salary required, CDB/248, London Office of this Paper.

**FOREWOMAN,** to take charge of Wholesale Photographic Chemical Packing in small formula-quantities. Apply 47 Hatton Garden, E.C.1 (Holborn 1848-9).

**LONG-ESTABLISHED** firm of Manufacturers Chemists meeting serious and extensive demand for Medicinal Products needed on the Home and Overseas Markets, require—owing to absence Managing Director in H.M. Forces—experienced business man or woman, competent to direct and manage the Company's activities. Applicants must have had substantial previous experience in managerial capacity in the Pharmaceutical business, be of the highest possible integrity and free from military service. Applications should be addressed to 555/772, London Office of this Paper.

**MANUFACTURING Chemists** require experienced Representative to operate established connexion in chemists' packed goods: Warwickshire, Staffordshire, Worcester area. Salary, sales bonus and expenses; car provided. Reside Birmingham or near First-class references. State age, experience, reason for exemption, etc. Wigglesworth, Ltd., Wetheroughton, Lanes.

**PROGRESSIVE Organisation** requires Qualified Chemist for Pharmacy Department. Either sex, exempt national service. Good salary and prospects. 444/353, London Office of this Paper.

**REPRESENTATIVES (5)** required preferably with Chemists' connexions by national organisation marketing chemists' proprietaries and allied products, London, Kent, Devon, Liverpool, S. Wales areas. Salary, commission and expenses. Write Chemist, Box W.50230, Haddons, Salisbury Square, London, E.C.4.



PRESENTATIVES required to call on Chemists, Pet Stores and Corn Merchants for the sale of the Bell's Pet Remedies. Vacancies in the Mid-West of England and South Scotland. Apply & Sons, Ltd., Veterinary Chemists, Silverdale, Liverpool, 13.

PRESENTATIVE (whole time) required by London Manufacturing Chemists for their men in Eastern Counties and part Midlands. Knowledge of Drug Trade essential. Apply stating experience, remuneration, etc., to 556/750, London Office of this Paper.

PRESENTATIVE on commission for old-established line required for London district. 556/750, London Office of this Paper.

QUALIFIED Man, to take control of Dispatch Department of semi-wholesale suppliers of chemical and photographic chemicals and sundries (all works), short hours. Apply 47 Hatton n. E.C.1. (Holborn 1848-9).

NTED Assistant Pharmacist for Manufacturing Laboratory, North Midlands; M.P.S. qualification. Must have knowledge of large-scale manufacture and pharmaceutical machinery. Permanency post-war opportunity. 556/771, London Office of this Paper.

REHOUSEMAN required for general work in the Drug Department of a wholesale and manufacturing chemist and druggist business in the East of England. Apply stating when available, experience and wage required to 556/778, London Office of this Paper.

REHOUSEMAN and Warehouse Lad, for Wholesale Suppliers of heavy and fine photographic chemicals and sundries (essential works). Apply 47 Hatton Garden, E.C.1 (Holborn 1848-9).

## SITUATIONS WANTED

For 18 words or less, 1d. for every additional word.

### RETAIL (HOME)

VERTISER, unqualified, 35, ex-serviceman, sound training and good experience all branches pharmacy (16 years), seeks engagement of permanent nature. Either retail, wholesale or clerical. Or West preferred. 556/776, London Office of this Paper.

### WHOLESALE

VERTISER, with valuable connexion, London, Home and Eastern Counties, desires representation. Reputable firm on commission and part sales. Exempt, own car. Indisputable references. 556/777, London Office of this Paper.

PERIENCED Organiser (36, exempt), very active, wants to represent progressive firm in London and West of Scotland. Commission and salary. Interview London next week. 556/769, London Office of this Paper.

ORATORY Foreman seeks situation, London district; 36 years' experience Pharmaceutical facturing; disengaged. 5 Wansford Road, Ford Green, Essex.

NDON situation required by experienced tablet maker. Excellent knowledge of granulating and pressing, able to take charge. 557/881, London Office of this Paper.

RRIED man desires permanent position as Checker, or Stock-keeper (wholesale), 30 years' experience, excellent references. 556/777, London Office of this Paper.

PRESENTATIVE, able to give effective coverage of Eastern Counties and portion of London, well established and marketable lines of reputation and post-war development. Splendid experience and first-class references, with proof of ability. Commission and expenses basis. 556/778, London Office of this Paper.

REPRESENTATIVE calling on Chemists, London area, wishes to take on extra line. 556/758, London Office of this Paper.

REPRESENTATIVE (46), over 20 years' experience, desires representation nationally-known Manufacturers of Pharmaceutical Products, in Scotland, on commission basis with expenses. Excellent references and sales record. Established connexion Glasgow and West of Scotland, Wholesale and Retail Chemist. 556/764, London Office of this Paper.

## BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional word.

ADVERTISER wishes to purchase small registered Cosmetic Manufacturing Business in Merseyside area. 556/774, London Office of this Paper.

CHEMIST with capital available requires established business with turnover £2,500-£5,000 approx. Family trade with dispensing, photography, veterinary, no optics. Preferably small market or coast town and west of a line London to Chester. Living accommodation essential. Lease or purchase premises. No agents. Replies in confidence to 556/766, London Office of this Paper.

RETAIL good-class Chemist's business, must be sound and stand strictest investigation. Full details and price wanted (in Merseyside area). Cash waiting. 556/775, London Office of this Paper.

## AGENCIES

7/6 for 36 words or less, 2d. for every additional word.

DENTIFRICE Manufacturers require well-established Commercial Traveller to act as part-time Agent for the sale of tooth paste and dentifrice to wholesale and retail trades in South Scotland on commission and expenses basis. Enolin (1926), Ltd., 168 Warbreck Moor, Liverpool, 9.

EASTERN COUNTIES. Additional Agency required by well-known and experienced Representative. Excellent and long-standing connexions Chemists, Stores, Co-ops. Commission basis; only reputable firms considered. 555/743, London Office of this Paper.

EX-SERVICE Man, British, resident in Ireland, long established connexion with Wholesale and Retail Chemists and Stores, desires additional Agency, Sundries or Drugs, on commission basis, qualified. 556/757, London Office of this Paper.

NORTHERN IRELAND. Well-known firm of Manufacturers' Agents, with extensive connexion Wholesale and Retail Trades are desirous of contacting reputable Houses desiring representation in Northern Ireland. Substitute lines of no interest. Bankers and other references available. 556/763, London Office of this Paper.

VERY active Agent in the North, Midlands, and North Wales, open for another line on commission. All territories covered on three-monthly journey by seven men. No clashing lines carried. Live Organisation. All Chemists, however remote, called upon. 556/760, London Office of this Paper.

## PREMISES WANTED

WANTED to buy Factory for Pharmaceutical, Sanitary, Perfumery or Household preparations, with appropriate licences. Partnership would be considered. Offers in confidence. 556/759, London Office of this Paper.

## FOR SALE (Retailer's Surplus)

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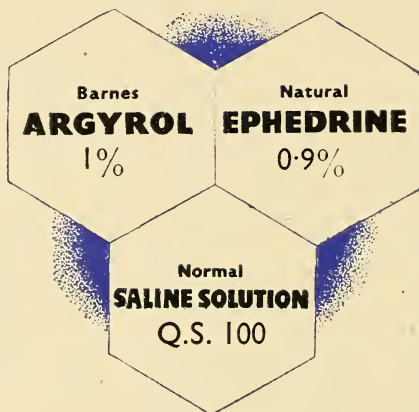
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